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337

<210> 13015
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13015

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gtctgccatc gccttggcct tggctaacaa tcggggaagt tcttgactcc cgttcaagg 240
aagagcaaac cgatccatcc acatggttgt ctcttggtgt aaagagtcga tcacccttcc 300
tctagcctct ttgtccgcat atacttgagc atactcatcc gcgattctat gctcgtgggc 360
catggctaga cctaactctt cttggtactt ggcgatgata gct 403

<210> 13016
<211> 357
<212> DNA
<213> Glycine max

<400> 13016

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<210> 13017
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13017

JC503 U.S. PRO
09/421106
10/15/99

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 ccaaagactc tcattcatca aactttcaac ctagggggtac aacttgcttc tattatatcg 180
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 cctttaaaaa ctatctttga aaagttcttc atgaacgtga gcgttgctct ctccactgtc 360
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<210> 13018
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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13018

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 caaccaaatt cacagctttt ctacttaga gacccagta ataattcctt cgatccaatt 360
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<210> 13019
 <211> 125
 <212> DNA
 <213> Glycine max
 <400> 13019

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<210> 13020
 <211> 483

[illegible]

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<210>      13021
<211>      329
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13021
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<210>      13022
<211>      535
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13022
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 atgagaacta tagatactgc agcttgagct cggatcaacca cgtatccaac gaatggaata 180
 tctgatcgcc tatacttcaa caacatctca tatggatgaa tgactctggc atactataag 240
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 taaccatgca ttacgtacca tgtccaatta tttatgtttt aagtgaacg ggtgtatgat 360
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<210> 13023
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13023

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 agaattcccg tagtttcaaa tcaactagaa agaaatggtg agaagttaaa agatgtaaga 180
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 aaggaaacca aagattttaga aactatgatg atagaaaaac ttcaaggatc actgcaagct 300
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 aaggagaaag aagaaagtcg aggaaatgag agaagtcaac 400

<210> 13024
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13024

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tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ttagcctgtg 180
 cgtccttatg cttaagcata gcaatgttag gcatatgcaa caaatcaaga ggaagtcaag 240
 gattaaatcc atacactatc ttaaattggtg aacaattagt tgtgctatgg acagtccgat 300
 tataagcaaa ctcaacatga agcaaacatg tntcccaaga ttaagaattt tcttaaaaca 360
 gtcctaacag tgacctaaag cctat 385

<210> 13025
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 13025

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 cttttgactc aagtgtccga tggagtcctg tactatatag agatgctcga aattgaagtc 180
 tgaagctctg agataaatca aatgacaatt actttctact ctgatgtccg agggaaatacc 240
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 ctttttactc ggatgtccat tgagtcctgt gctata 336

<210> 13026
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13026

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 ctgtttaatt gcaccgttca taaccgtgtc ccaacgttcc cagaataact ttgacgtgga 180
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 aattttgctt ggtattgata gagctatatt tacattaggc ctgactatta ccgggcctaa 300
 ccacatcaac acaaagctat tgccccgagt gtatagacct ccgttgacct ccatttatgc 360
 aaaaacaggc ctgatcgagc ccggaataac tttggccaga acaataaaaag ccaatatctt 420
 aagccatgtc acatc 435

<210> 13027
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13027

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 cagtatatag acaccgttta cctaaaccct gtataccctt acgtttattc agcatgaaga 300
 acacctccat tagtatgtaa gtctgagatt gtacatcact gagaattgat tagtccccatc 360
 ttgacgcccc tatcatagct tatagagatc tgaaatggcc tcggacagct acg 413

<210> 13028
 <211> 106
 <212> DNA
 <213> Glycine max

<400> 13028

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 aagggtgatta ttcattactt tagcttgtct tgtgcacaat ctcccta 106

<210> 13029
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13029

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 tagcaaaact gacaagtgac tcttttttta ctcatatgaa ccttcttcat gggatctcca 180
 atcacaaaga ttgggtggcc atcacttggt tgttttcaag tggcttaagt cccattcccc 240
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<210> 13030
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13030

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 gatnntttta ttgcatattc acccataaac acagccacat aagatgctcg ctccataagt 180
 tcatcatttt catttggatt tgattcaaaa ttctcaacca agtcattcat ctttgacctg 240
 tatagaaaca atattacaca atacaacata tatcaagata cacatgatta aacataagtt 300
 cattaccaac cataatat 318

<210> 13031
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 13031

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 gatatcacca aatctttaag gaattttgga gctttggaat tgttctggga ataagtgtgg 180
 ggggtttttg ttccattgga taacatgttt tgttggtat gcttgatgat gtattttggg 240
 ccatacttga tgtacattgt atattgggta aatgttggaac atgctgaatg agattgttgt 300
 tctcacaggc tacagagcaa aagaaaaatc gaaaaagaat aagaacagca ataaagttga 360
 gtgaataaga tcttaaattg caaaagaatg atgagactct tggttctact 410

<210> 13032
 <211> 248
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13032

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tctttggacc anacgacatc tgaacanata cagagttatc accanagtaa atatagaaag 180
aaaggaaacc acgacctana gtggtcccct ccctttgatt gccaaccaaa atcccggtgcg 240
tcggtgac 248

<210> 13033
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13033

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cgccggaaat acactttttt tgtagtgagt gtagtgtcag gagtggtcca gagagtactt 120
gtttagtcta gaaatggcat agagaatact tgattgtaat caaagaattt attagtggaa 180
cccttcaagg tttgaagaat aattggacgt aactcaagag ttggggtgaa ccagtataaa 240
acctttgtgt tttctttact gcttctatat aactagttat tctctataag ttctacacta 300
ctataaccaa gttntgtgaa ctggttttct aagaacaatg tgatttcaaa tcccttggat 360
gataccatc gtccattgag aaaagcnntt taaagttttc 400

<210> 13034
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13034

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cacaccaggt gatgatttca cccaagccac gggaaataac caaaaacatt aatggatttg 180
gttcgaatgc acatataatt tacactagca ttcaaaacaa ctagttcaaa agtcattttg 240
acagagaaaa gaaaaaaaaa ttacactaac aatgcatcaa aattaaacca aaaataaagg 300

cttaactact ggtagtccc tggatttang gaccctatnt ttnttaannt cctaaattta 360
 aaaataatnt ttttaccgtg acaattgntn tctagtcata ataan 405

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 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13035

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 aaacggacga agtggaaagt gaaatgaaca tagattgctg cccaaggaac aagttatcct 180
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 gaagtgcatt tatgaatttg tgttcacttt aatgtga 397

<210> 13036
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13036

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 catttctatt ctaaaaggag aggggttggc aagctacttg aatggacatc tgagatggca 360
 tcaaccgagc acaaacagat ctggctgcta gaatgaggca atgaaccttc tacataagta 420
 tgctt 425

<210> 13037
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13037

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 cggaacatca tcttcgtata tcgcgaccac ttgaccttca ttccccagac ccgcgcttat 180
 aaagctccta cttatgtggc aagggtgggct tctgtacct tcttgtctca accgcgagct 240
 ttgactaccg ttcttccttc acgcgatgct tatctttata tctgcctgag tgggcttata 300
 gcctatccca tacttccac gattgccttt ggcatttata aagctagtta tac 353

<210> 13038
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13038

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 atccgttatg atcaatatgt tcaaagcatt gaaggggagc ttgagatata attcggcttt 180
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<210> 13039
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13039

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aaacaaatat tgaagtcag attttgcaca cttgattaaa ggcgtgcgtc ccttgagcca 300
cgctcccaaa ccttttatcc ttcaaattca tagaccctt ttcggttttt ctaacatttt 360
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<210> 13040
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13040

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aatgaagtta ttgagttgaa ttagctcgct gaacccatgg gtgggagtct tctagagtaa 300
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<210> 13041
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13041

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aaactacaat aatctaatta taaactatct tttgaacaca aaataaaccc aataaacaat 180
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agcaccttcg gctgtcagat gatgtgtgt atntcattct atctttcgct tacttttcat 300
gcttagattg catgcattcc atggtaactt aagtttagat tcatgaataa atctcttagt 360
ttttctttt ccttttcaaa cattggtatg ct 392

<210> 13042
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 13042

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 ggatgttagg attcaattgt aaggatgtga actcgagtct cacatggaaa tatgtgattc 180
 tagcatggcg tttatacagc ctttggctct cctactacaa tggctagctt ctgtgacata 240
 gttttcctaa cggtcttacc acacacattt caagactaat ggtatgagac actggaacac 300
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 taatggataa tgcaagagca caccaatgct 390

<210> 13043
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13043

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 tcgctacttt caaatccaag agatcattaa tgggccaaca ccttaacggt tctcttcttt 180
 aatagaattc aaagatcatt taatggtcca acgccttana cgacttttgt tcggtcaaaa 240
 tatatcctgc aaaaaaata aaaacaactt aaccaacgct tagttcttat agaactgcgt 300
 aagtttgatt tcctcatcac aattgacgga tacgtangag cgagggaaac acccttatcg 360
 accacaataa gataaaaaat acaaagggtc aaaaagacat aaaaacgtaa c 411

<210> 13044
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13044

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 cccagggcaa cccaaaattg gtgattagaa tatgcatttt tcttaactgg aaacaaagaa 180
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 attagaacgg ttgctaccag ggaaacatta attgattctc agagggttgc attggcattt 360
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 aggaacaata tctatcaggc ct 442

<210> 13045
 <211> 51
 <212> DNA
 <213> Glycine max

<400> 13045

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<210> 13046
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13046

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 caatgttttag caccgatcaa gactgctgcg caaaacgcac atagtggcaa gaagctacaa 180
 ctgcttcaag gtaaatagaca tgcacaaaagg cccccacgtg taggaaagat acacacatga 240
 atacctatcc ccacggtagg acccaaccaa tgatggagca gccgaattaa aggactggac 300
 gaggtagcca cttcccttag gacaatgacg agcgaagaca tacctaccac tggagtggg 360
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<210> 13047
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13047

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 caaataaata ataaagtcac ctcgactcaa agaaagtcac ataagtctca tacaattaat 120
 atagaaccta tatectaag tccacatccta tcagagcgtg gtgttccccg gtcctctagc 180
 atgaggctct tcatagtcac ccacctattc atctgctccc ccgaacacaa gttcaagatc 240
 atcacaggat ccaaacacaa caacgcacag ggagtgaagt atcacattcc tagcttatag 300
 agaaacaaga caattaaata tacatattat ataatgaga taccacttgc ttaaacaatag 360
 ctcacgtaac ttcaccactt cgtcattcat aattcacttt tcaattatca a 411

<210> 13048
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13048

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 agcgccacac tcattggcta atctcaatga acaatctggt aagaatatga cctgtatatg 180
 ttgcactgaa tgctaccggt tcatctcact aagctgcacc gttcatcca ttctgctagc 240
 gaaaatagca cacgcttagc ctgaacttac gtatgtgcac ttagcggctc ttaattgcgc 300
 ttaacgcaca acgcgaacac tgtccctatt taagccttan atcatatttt ttatagtagg 360
 ttggcggata gctgacactt tgatgtctag tgattctaca gagagaaatg aanggtctaa 420
 ctccagagag tgcgatagat ttagtgagtg 450

<210> 13049
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13049

actgcgcagc acacacagcg gctcgggggtg cagaaggtag agataaaccg cnaactcctn 60

ccgagcgaga gcttgaacct gaaacatctg anaccatgga caccacgcga gccgagagcc 120
 ccggaagccg gaagccactt ttgcagctaa gtgaatttat ctacgtccaa gagctgagca 180
 cgcaaccaca acccgaacgg cgaaaccggg caccacagga gtcccacaac gagcaccgcg 240
 gaatcgacg ccgctgaca caaccacgag taggaggaga cagcaaacg actggacgaa 300
 ccgctccaca tgaagaacaa acatcggtac atcgctggaa aaaagcagcg ggcaaggcac 360
 tagggaaaag gacaccatgc acgccggcgg aggaccaca gcgcgccaat aggccagaag 420
 gccatcgatc agccgcacca taaaaggaag cacaccgagt ataacgcacc agtcggccgg 480
 gaggaccaga ccaaattgggc acgctgtaga atgacacgag acaaaacgcg agagaaacca 540
 acgccgacg 549

<210> 13050
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13050

accacagcc cttaattcta caatagtatt caatagacca cgaaacttga cacttgatcn 60
 ctcacccccca agccgccgga caccttganc cctcgttgg acccattcga aatgcaaacc 120
 atagaaacnc agctggcttg caaccaacct ctcagagacg atatcgtgtt tcagactcat 180
 tattttcgcc agggatctta gcggtggaac caatgagtct aagtcctagg gcttactcac 240
 gcccggaac aagaaggggtg tgaatgatga atccttagaa aggctacatt gagtccatac 300
 taaagaggat aagctgactc gtacaccgaa gagcgtctat cgataagtct aacgctgggtg 360
 agactctagc aaagcgaaat ccacttgtgt aagcatcatc aagccaagac tttggttaac 420
 ggctagaaag gaacgaagac ccattcatgg agttagataa atcctatcgt aaaaacacac 480
 gcttatagcg cacaacaga aacn 504

<210> 13051
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13051

ttgttganag gttgcatata tttgaggctt taggccaaga gtgagtataa gctagccctt 60
 atcgttggat ctgtaatctt gtttataggt cttgtgtggt aaaataagag atcttatcaa 120
 tgatcttgtg tgagaaaagc ttactaaggc acctgttcta gctcttacta acttttctaa 180
 aacttttgag ctagaatgtg atgcctctgg agtgggagtt ggagctgctt tgttgcaaag 240
 agggccccta ttgcttattt ag 262

<210> 13052
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13052

agcaagtcac gtattacaca agttcgtata tctaacggta tatcttatcg tgacttcatt 60
 tatttgtcat aaatctgat acatcttaag aaaatatttt tatagacaga atttccgaca 120
 gagaatagta aatgaagtat tacatattat acacaacatg ggatgttgac tggatatacc 180
 tatcgtgtga gaatatcata cgcacatcat agagcatatt ctctctatgt tggcntacat 240
 ctaa 244

<210> 13053
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13053

tatcttctgt ttaaaacaat tgagcatcag ctattattca gcanaatatt agagatgtat 60
 gttacagtg atctattaac tttttaaggt tttacccatg tttgaaagaa tagaaatgct 120
 ggacagggtg agctaatect atccaattnt actatgaatt cagtaactaa naaagatagc 180
 atctagatat ctgccaacag cctcatacca tgtaagctga tattgttggt tacaggggag 240
 gtaggataca gctaaataac aacttataaa atanataagc cgtaagttat ttacatgccc 300
 aaataatntc aanaggatt agatagagaa atcacagtgt cccttacttg catttgctta 360
 tgg 363

<210> 13054

<211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13054

tcccttccac cccaactttc cagattntat tgcctttngc atctgtaaca taggcattgc 60
 cttctgcatc aactgcaaca tcctctgcca atgatttctc atcacctgca tccaatggaa 120
 aattgatatt gtcacaaaag gccaccagt tgtatgtcta agctaacaca attttgaaag 180
 ctatacccca tggtatgaag ccacgagaat atangacatg caattaatag aagtactgac 240
 gtangtancg cattttcctt ttgttattta ttgacatgca tagttcataa ctaatacatt 300
 gngaattgtgg gtcacggtgc aattgacaac cattcatatg tttttttcctt ttttacatnc 360
 ttcttgcaca catgaataac a 381

<210> 13055
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13055

agctcttttt aatttcattc tcttgctcgg gtctccaaac caattatctc taaagtataa 60
 caagttatga aatggtacac acaattagaa aaatatgaaa ttacaattt cagataaaaa 120
 aatcagcatt attatccatt tcaaccattg aactaattca ttaacagaag aataatttac 180
 cttanaatgc tgganaaaaag ttctgatga tcttttggaa ttgctcccca tgtaagccaa 240
 ggctgaccan attgttgctt aatggacaaa gtgacagcct ttgccgcaac cttagatgga 300
 tgaaacctan natataaaaa taattcatca naatagtaaa agatcaaag atgcatcata 360
 tataatgata attatata 378

<210> 13056
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13056

cgtgtgacaa ttcactgtga cagtcaaagt gccattcact tagcanatca ccaaattgtac 60

catgagagga caaagcacat atatgtgaaa ctacacttca ttagatatgt gattgaatct 120
 gagaagggtga aggtggagaa gggttcaaca gaagaaaact cagctgatat gttcacaag 180
 tccctctcta gtgtcaagtt caagcactgt ctggacttga taaattntga agatgcctaa 240
 agtagattgg tataagtgcg gccctgaagc acaaggtaga cacttggtga tttggagtca 300
 aggtggagaa ttgtggtgtg tgactcanaa tcacaaatgg cacaagtga aaggctctaa 360
 gaggtgctgt cataacagt 379

<210> 13057
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13057

agcttgtgag atctgaagac ttcttcagac atgtagaact ggggaagact gacaacccaa 60
 taggttcaaa cgtgacctca agtgtttgtt gatcaactat cactgactaa cactgtgggt 120
 ttgaacgctc cccacactca cctcagagc actgagatcc ttatagtcct tgagggtact 180
 ctctatgttg gatntgtgac ttccaatcaa gatggaaatc acctcttcaa caaagtgtg 240
 aacaaagggtg atgtgtttgt gttcccaatc ggtctcattg atttctgcat caatgtggga 300
 tatggcaatg 310

<210> 13058
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13058

tttttcaaga gatttactct cttggtatcg attaccagag aatgtaatcg attaccagtg 60
 gccaaaaatg aattacaaca gctattaaaa tttgaattca aaatttgac ttgtgtatgg 120
 attacacata tatgntatc gattaccagc agttactgaa cattttaatt canatttaaa 180
 agcttgaatc gattacacat atactgtaat cgattaccan aggagatttt cagaaaatat 240
 tctcaatagt cacatc 256

<210> 13059
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13059

agcttcagat tacanttttt gttcatacaa atcagccgat tgttgatcca gagcataatg 60
 ttaccacaca ataaactgta catatatatg acctacagtg atatctgcta ctaatgcaaa 120
 aatctaaacc taagatttga ataccactga ttatagttag tggcaaaatc cttctcttaa 180
 atatttcagc caagaccata acataaacac tgtccaatca ttttagtttc cccataacaa 240
 aaacacttta ctttctttga tgtttgtaac atggataatc agaaattacc ctgcagagct 300
 agtgatagtg ctcaactcgcg gtacataatt gctatgctat ctatcccacc ttgac 355

<210> 13060
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 13060

tgtgtgtatg cacagttatt tgtaaagtga ttcccacaag tcatttgaat ttccaatata 60
 gttataaaat gcaattcaat gtgaagcat aaaaaaactg gatattaata actacaataa 120
 tggtgaaaac aaccaaatta gcgaagctaa aaggctaaat atttaaaaag ctaatgatcg 180
 ctcaacatgt aaattaacaa accatcattt taaaaccag agaatacaaa ttaaaattca 240
 atcactattg gtgtcgcccc aattctttat gtcttctata acaatttccc aaactttgtc 300
 atgaggcctc tggtagaatg agaagtcgta tccactattg ttgggtgagt caacaatcca 360
 tacatgcatt ctaaattgta ataggggtct at 392

<210> 13061
 <211> 334
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13061

agcttctgtt gttcaatttc gagcttgttt acatattatg ctccctaate ggacatccgt 60
 gtganaagtg ataaccaaat gaatttctcg agagcttctg atgtttaatt tcgagagtat 120

caatatatta taaccctgaa tcggacctaa gtgtgaaaag ctatgaccat tgaatttctg 180
gagtgttccc gttgatcaat ttcgcgcgtc tctatatgtg agtgacctga atcagacatc 240
cgagttaaaa gctatgacca tttaaatttc tcaagagctt gcgtagttca atttctagcg 300
gctcgatatg cgatgtgtat gaattggaga ttcg 334

<210> 13062
<211> 336
<212> DNA
<213> Glycine max

<400> 13062

gtgcctgtat atcgatgcgc ctgaagtcga catccgagtg aagaggtag accatttgaa 60
tttctcgaga gcttcctatg tttaattgtg agcgtctcga tatattatac gcttgaatcg 120
aacctcagtg tgaaaagtta tgaccatttg aatttcttta gagcatccgc tggtcattga 180
tcagcgtctc tatatgtgat gcaccttaat cggacctccg cgtgaaaagc tatgaccatt 240
tgaatttctc gagagcttgc gttgttcaat ttcgagcgtc tcgacatatt atgcgccga 300
atcgacatc catgggagaa gctatgacca ttgaa 336

<210> 13063
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13063

agcttcaaca ttcaatttct agcgtctaga tatattacag gactcaatca aacatccgag 60
taaaatgtta ctgtcgttta aatttgctta gctctccagc tttaaatttc gagcgtctcg 120
atatatgacg ggactatatac agacatccga gtaaaaagtt attgtcattt gaatttgctt 180
agagattcaa cattcatctt cgagtgtctc gttatattac gggactcaat tatacattcg 240
agtaaaaagt tattgtcggt tgaattntct cagagcttca acaatcaatt tcgagcgtct 300
cgatatatta cgggactcaa tcaggcatcc gagtaaaaag ttattgtcgt ttgaattggc 360
tcagagcttc aacattcaat ttcgagcgtc tcgctatatt acgggactat atcagaca 418

<210> 13064

<211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13064

tgacgcagca tgaggcactt aanactanag cttagcaatt caacgacagt actctntact 60
 cggatgtctg antgagttcc gtgatataac aagacgcttc aaattgaatg ttgaacctat 120
 gaaccaattc caacgacaat tactatttaa tccgatgtct gaatgagtcc cggatatatat 180
 tcagacgctc gaaattgaat ggtgagagct taggcanatt caaacgacca taacttttta 240
 cttcgatgtc taattgaagt ccgtaataa tcgagacgct cgaaaatgaa tggatgaacct 300
 atgagccaca tcanacgaca ataactcttt actcggatgg ttgaatgagt ccataatata 360
 tcgagacgct cgaaattgaa tggatgaacct ctgagccaat tcaacgacca taaactttta 420
 ctcgatgtc cg 432

<210> 13065
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13065

agctnttaaa caaaaaagct atttgtcatg gcataatgat tgcaagaaaa gattttttga 60
 tgggaattat gatgagaata aaaaatttca gtaatgtgga gcaggtgtgg taggacaatg 120
 ggggagagga cccaaaagtt tgtaaaataa aaatggatct gagatgtgat ctaaaaagaa 180
 aaagactgag aattcaaaat tctcagtga gccactaaga aagtacttcg agtttagtag 240
 taaaagcaac ttttgttaga gatgtcacat ggaagagtgc gaagacatta ttaaaacaag 300
 aattctgac ataggggtatt gtattgaaag catcgattta aatagccact tggtttgtaa 360
 tgctagctag ctatctaaaa aaaatta 387

<210> 13066
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13066

tattatgtgt tgatgattat aacacacaca cacacatgta tatgaattgt taaaataatt 60
 tatgaattaa tagttcanat aataaaatta aattgaagga aattaatata tcaagattca 120
 atgataaata cttccaatgc attnttagtt taattattta ttaattnttt gaattgaaaa 180
 tagtatagtt caatttaata gatacatggt ttgtgccatg taaatattaa tattgtgaga 240
 tgttcatatg attcatgagg tgtgataaca tgctgtgttg ggattataac attatgattg 300
 agattgagtg tgtgtgataa attgagtatg tgttgaattg taagatacat gtgtattaag 360
 attntataca cattgagttg tgagttatga actgtacaat cacat 405

<210> 13067
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13067

agcttgtaac tgagtcttag ctatatatca acacagagag aggaaacaca taatgaaaac 60
 tagcattgct aagcaatcaa acaagagtat naccctgac attttttaac taaagaaaact 120
 tgaggaaagc aaagtattnt atgtgttcag tgcacttgag aaagtcaagc tacatcaagc 180
 tagaattttt tattgtaaat taatttgacg tcataaactc gtatgtatac aaaatgaaga 240
 attanaaatg ttggtgtttc tcttagattt attgantagt atcaagtcgt tagttgtcaa 300
 tgtaaataatt acatntatca ataataattat tgtttgacaa taaaaattaa aattgttaat 360
 taaagtaaaa aaatacatat ataaact 387

<210> 13068
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13068

ttacaaaactt aattaactgc atanaaatgt actntaagat ccttanataa tacatatcat 60
 gagttcatga cggcaatggt taaatgtatc aattctatta aatttgagct cgttcaatta 120
 tttcatacgt attattaata taatttctaa aataattatt ataaaaatta acgataagta 180
 tgattacatg aaagtgtata attaatttat attattgata cctagtctat tttgtcatat 240

cttcactttt aaatntgaat tgtacatcta acaatntaat acataatatt gaatcaacag 300
tcaaacaaat aattcaacca atttatcttc tta 333

<210> 13069
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13069

agcttgcttc acgccatctc agtatgagga tcccatcgaa accttgttta aactcaccca 60
aagcggatg gttcaacatt gntaccttcc tcgccaaaat cgctcccat acctatcaaa 120
aggttgtcac cggaagagat agccattcgt cgtgattgaa ggccatgctt taattgtgat 180
gagaagttaa gttgagggca taaatgtccc tccaagttct tctcctcat cgccgataca 240
gatgactaac tagaagggtga tctctcttcc gatatgctgg tttcaatgga accgcaacag 300
gctcagataa gcatacatgc cctgtctggt catttggcgc ttgaacctta cgatngtttg 360
gacgtatcgc ggactagacc atggtgattc taattgatgg aggaaataca cat 413

<210> 13070
<211> 289
<212> DNA
<213> Glycine max

<400> 13070

tgtagctacc tcatgtactc ctctaatact tatggcatca tttctggcgc taaactgctg 60
ggagttggag gccatcttct caattaaatt tatggcttca gcaggagtca tgtctccaag 120
ggctccacca ctggcagcat ctatcatact tctctccata ttactgagtc cttcataaaa 180
atattggaga agaagctgtt ctgaaatctg atggtggggg caactggcac atagtttctt 240
aaaatctctc cagtactcat acaggctctc tccactgagt tgtctaata 289

<210> 13071
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13071

atcttattct actanggact ttagacaaca tgcatttcat tnttttcttt tcgaaatcat 60
 acaaattggt cacattcatg gtagcaacat gcctaaaggg aaccttcata tcaagatgca 120
 aatattgtaa taactctnta aacctcctat gttcaacaaa agagaatgga agatcatgct 180
 caataatcat catagatata atctcatgta ccacactntg atcaatnttt ttatttctta 240
 atctcccagc atgatcaaga ataatatctt caacatcact attagaatgc cttcaaatat 300
 acatcacatt tccncatatg acgttgtagg ttgaagtctc attcttattg tcaccgcccc 360
 cataatcttt caaacatatt tgcatttact cctcactttt tcatcact 408

<210> 13072
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13072

agtaatccat atgtggattg aaacaagctt cctgtcagtg gtatttaaca ctttattang 60
 ttatctcttc atttgatttt gaagagaacg ccatagatca atgtatacca gaagatcaat 120
 gggaagtaaa tattgtttct tgggttggac gtggatgata ttttgcttgt ggtttatggt 180
 aacggtatgc tatatgagat gaaataattt ctctcaagaa ctttgatttg aggaatgggt 240
 gagacattta tgtcatngcc ttaagatcat acaaaagatc taggtttttg agtttgctta 300
 caggcatatt cacatagttt agagagggtta acatgaagat tgtcacaagt gtactccatt 360
 ggaagggtatt 370

<210> 13073
 <211> 254
 <212> DNA
 <213> Glycine max

<400> 13073

atctatgact gtacatttga tatcgttgag tgaattacga cttcattcta atcgatgaca 60
 tgctgtgggc tatgacgact ttaggcttca tgtatagatt tgctacatga ctttagggc 120
 gcatcgcaac catggcctca aggccaaggt atctgggtctt ttaatcggtc acattggaga 180
 tttaatcgat tactatatca acttttagtt ttgagcgaaa acgagtgcca attgaattga 240

ttactatggtt atta

254

<210> 13074
<211> 181
<212> DNA
<213> Glycine max

<400> 13074

cgctgtatta tgccaagact tgtctaatta atgcttctca accagtattg atctcctcat 60
tcaactgccc gtctctccat tctttcatta ttttacatga gacatcaagt cgctgatcat 120
gtagataggt atgtactatt ataattattg acggcatcaa cctatgcttg ctatatacaa 180
g 181

<210> 13075
<211> 406
<212> DNA
<213> Glycine max

<400> 13075

tagcttgtgt ttcaaaataa tgatttggtt aacatatgct tgctgtaaat tagagttaga 60
aatcattaaa gaaccagcaa aggggaatgct acagacaaga atttacacag aagcataacc 120
ttaagaaaat aaaatatttt taatgaagtt aacaaaatta caaaatatat cttttagtagta 180
tttctaaata tgggggtgtca gattaaataa tatttactaa acttttcata aaataatgga 240
caataaatag caaaggaaaa gcgcagacac gagacttttg ccaccaatcc ataaacatca 300
cggattataa aaaagagact caaatcaagg ggggacgaga acacaccagg cttgtcgaac 360
aggggcgcag agatacttac catgcacaga aacacacagc gacgcc 406

<210> 13076
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13076

tgtggagaga ggccctccagc atgagcaact gcatgcattn tatacaatcc atagtttagag 60
gcagaacgag tagagactct gcaagcagca aggagtagag aggccttgct gacattcaaa 120
accatgcccc gagtgttctt ttattctttc ggtatttggc tcaacttgct agtgggttgaa 180

<211> 270
 <212> DNA
 <213> Glycine max

<400> 13079

tttgcattgct agcttggtgt tatagccatg ttgggatgag taaaacatac ccattctgtt 60
 ctaagagggtt tgagatgatg ttagtgatgt ttatatgctg aaattgctga tggaaaactg 120
 ttagagaaga aaggtagaac taacctaggg ttataaagtg ataattgatg gctatgagtg 180
 gagaaaataa gagaggctgt gatagtttga atgctaagtc tgaattctgt ggtaaatgga 240
 tgttaaagtg atgtaatact acctagaaat 270

<210> 13080
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13080

cctcaccgcc tcattatctc atttgtgttc gatagtacac cttactttat aaccacccaa 60
 cctcnttccg ctcacacccat tcggcttctg agccttaatg aacatcatac ggcttgaact 120
 agcttttgtc ggggtgcaaaa aatacaatgt ggtccgctag gtttttctgc gagccaaccg 180
 agtgtgttcg gcgacattgc atgttcccat gcactcagcc atgaaaacat tatcccacaa 240
 tcgaagagaa aaaaaaaaaac atataatgac ctgatacttg gatcggaaga taatgctggg 300
 ttgacgtctg ccattaaaaa agaccgatcg aggtctaaaa ataaaagaat caccagatga 360
 cgccgatcga gcattttcta attgacatca tccaaatatt attcagggat aggatagaaa 420
 aacagtagct gataccatgc gttatgtaat cccgactgac atttttcagc cgacagtgca 480
 caagatgtct ttacaacg 498

<210> 13081
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13081

agcttcaagt ttngnttcct aagcttggaa ttgcatttgg gcacctattt tgaatctcct 60

atgctgtacc tacatataag aaacagtccc actctcccaa ttntacgaaa tcatattcat 120
 acatcattgg ggcatttcac cgagcacttg gtgagcgcat gtttgaacat aaattgcaag 180
 aggatgggga caatgtggta tgccccattg cttcagaata cagcataagc ctaaggcctt 240
 cttattcana tcttcaactc aagaaaacaa gcacaaaaac aaacaaaaac tgccccacan 300
 atataagcac attctcaciaa ttnggagcac caaaagatga agaaaatata ccaatgggaa 360
 gctaaaaaca tcaagaattg aatacttact ttgtggagtg aataataaca ccaaaaat 418

<210> 13082
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13082

nntgaaagtg attcctgcgg atgtatgtga acttgganat ggttgatata agttntaana 60
 tattttccta agccctggtg attagggtga gtcattctca agttngactt ttgtttcatt 120
 ccaatgaaaa tggtagaaag tacctatcat tacataacct aactagtagt aacttggggtt 180
 ctcactctca cgttnttttc ctttcatcat ttgaatttcg aaaattactc ccatactaaa 240
 ttganggcgt gccctagcac tacaagaaaa tttgtgcttt gtgattagtt ggtcatgccc 300
 ttcaaaccg atagggcgat aggggtactc ttaatttgag tatntatgta attataatca 360
 tacttaatgc ataattaaat tataangtaa tatcataatt ataaten 407

<210> 13083
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13083

agcttgatat atcttangca actgctagag atgttggtat tgcttcaaga ctacacacgt 60
 gagcctactt agaggtaagg gattagttaa tcgtaattgg ggtagagtg aacatgtgta 120
 ggaatcctta gaggatcana ttngggtaa ttttgggggt caattgatgc cttgatacga 180
 attggatggt ttaattaagt gtttggctct gaatgttaga aacctagaaa attangaatt 240
 cttgattctt gcatgttttc ttgaaattga ttaaagggtt tgttcccat gatgtgatca 300

catgttctat atatatatat atatatatat atatataatg gatgagaagt gataatgtgt 360
tagtgagaag gtgttatgat acatgtcttg tgaacaggtg tgggactata cagttctcga 420
t 421

<210> 13084
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13084

agtgacacta tgatactcag cttctattct atntaganat tcatgaaggt gttataatgt 60
ctganatcta tgggattaag atggtcattg accaatccct attntatgat ttaacaaaat 120
tgcctagtga aggtgtacct tttagaggtg cactgattga tgaatggaaa ttcgatttct 180
ctgtgcatga tgccccgccg ttggtttgca ccaaccaagc ggatatgacc ggaaggcttc 240
ttgccggcttc attggctttt gaaatccgca tctccatta ccttatagtt cacatattgc 300
ttcctagatc ttcaaaccct gccacaggtt ctgaagaaga tctcattgtc atgtgggcct 360
ttcataaagg ttacanatt gattngcac atcttgtag atatcgcatg cat 413

<210> 13085
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13085

agcttctcgt gatcttgtgt catggtcata ttgagacatg tgtgtggtcc accccattgt 60
gtgactctcc atgaatcagt ttttttagat aaaattgccc tcatatagaa taggcaagga 120
cattgcgctt ttattcaagc aacaaacaac atacctgttc gatttgcttt caacaacttt 180
gaaagtttga tgcaccttca taacatatta ttttagtgca tttttaccg catctttggt 240
atcaaaatcc atgccaacat ataattcttg tccaacatta aaactcgatg gcatctccaa 300
accacaaatg tcttcctcat caagatgact ccagttgata ttgttataat gcanagcatc 360
attccaaaat ggattntcaa ttccttgtag acctaatagt taaaaaaatt caaatcatc 420
ttatt 425

<210> 13086
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13086

agagacgtgg cgtttaacga gaaaggcatg aaggattggt cttcanagtc tcaataggag 60
 tcgatgggtga tcgctgacaa ccatgaagaa nattatgaaa ggctactaga tccaacacct 120
 gatgagccat aatcatccag gaggccatag aggaatcctc aactctcagc tagattgcaa 180
 gattatgtca tgtttaatga caaagataca tctaataag agattatcaa ttttacttta 240
 tttgcagact gtgatccagt tatttttgaa gaagcctcaa gtgacgagaa ttggagaaaag 300
 gcaatggatg atgagattcg tgctattgag aagaatgaca catgtgagtt ggtggacttg 360
 acaacaaac 369

<210> 13087
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13087

agcttctata taaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60
 gtgaagaaga atgtggcatt taactggggt gaaaaacaag agcaagcctt tgctttgctt 120
 atagaagagc ttactaaggc acctgttcta gctcttcta acttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240
 attgcttatt ttagtgaaaa acttcatggt gcgaccctta actacccac ctatgataaa 300
 gagctttatg ccttaataag agcactccga acttggaac attaccttgt ntccaaggga 360
 attgtcattc atagtgatca acaatcactt aag 393

<210> 13088
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13088

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tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt ganaagttat 120
gaccatntga atntctcgaa agcttccttg gttcaattcc gagcatctcg acatattgtg 180
tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagc 235

<210> 13089
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13089

agcttatgat ctgtatatta tgtctaagta taagccgagt ttttgacctc tacgggtacac 60
aagccctcca agctctaagt tcagtatgaa cgaaagtgat taagatatatt gtaatataag 120
tttatttctt gtacgataca caaatataag cacacaaaaa gtaacatttt ttaggggtgtt 180
acactattaa ctatngggtc aaatgcatgc ttggctttct acttcaaact aatttacctt 240
tttttttctt tcttgtttgt tccagctgta atggctctaa aaaaatgaaa gtaataaaaa 300
ataattattt ataaattttg aaaatntaaa ataaaaaata tctttaaaat tganaacaaa 360
aaataaaaat agactttttt tcttaaatta aacaaatcgt ttaatcacta c 411

<210> 13090
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13090

atattgcatt gatcattact gagctatatg gtggatccat tatcatacta tattataatt 60
tcgcccagct tgatgatggg gattaaacct atttgagcat taaaataact gacacttaat 120
gagggtccat acctttcctt tntaccatat tgcattgatc attattgacg tatatggttag 180
acacgtacat tatcataata taagtataat caagaaaaac catagacatc atgtattgga 240
atacctcatg atcaaattta aattgaactt acactagttt atgattggaa aatgtactgg 300
aattgggtga att 313

<210>	13091
<211>	380
<212>	DNA
<213>	Glycine max

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<223>    unsure at all n locations
<400>    13091
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<210>	13092
<211>	268
<212>	DNA
<213>	Glycine max

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agctcagtca acagaacctt ttctctcttt ctctttctct ctctctctct ctctcttctc 120
tgagggccaa gagtctgcc a ttgacgggtgt ggaaggaaga atttttcatt ttttccccct 180
ttgacggatt agtttctctt ttcttagaaa aatattatct atataatcaa aaataataga 240
atatttaata tatgtatatt agttcatg 268

<210>	13093
<211>	403
<212>	DNA
<213>	Glycine max

agcttggcca tatgaaggat attctcttgc atgctgagtt agtgcttggga attgcaactg 60
atcgcagaga ggatgaaggg ccacaacttc taatttatcg gtttcttggg gatgatcttg 120

acagtatggc gagtgaatgct atgtggactg atgctaattg cgttggtgtg ggttggtgagg 180
 attctaaaca gagaaaggag ctaaaggggt ttctccttga ttgtgttata gaatatctag 240
 aatcaaattg ctgccaatat ttttaactctg gatccaaggc atggacaaag ctgcccttat 300
 gcatganagc tgagatgttg gctcaagagg tgaagaggga gatcaatgag tggttatcta 360
 tggttgggat ggtacctgat gaaattatag aatgggaaat gag 403

<210> 13094
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13094

agatatgtta ctccgcaacc aaatttatgt attatatcag acaggggaac cagtttgcta 60
 gcagctttac aatccgaacg tgttggttgg aatgaaccag atgtttcgtc tgtgtattgc 120
 attccccaca ttgcatcaaa tttcaacaaa cagtttaaaa atggtgactt aaaaaaacia 180
 gtaatcaata tgggtatgtt tcttcttatt tcatgcatca tattctggct ttattacatg 240
 tntactaata gtaccgttg atagagaaat ttaat 275

<210> 13095
 <211> 705
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13095

cgtgcatcac tcacaactcg cacaattcgc cgacagtgac acgtcatngc cgttctnta 60
 acctcctaga gagagagatt gagacttgag gcctctggaa accctagcac agacacggcg 120
 taccctgga gcctccatag acgatcagcg agcaagacat taacgaggtg actggcttat 180
 atagagcatg actgaagcac aaccacattg cggaccatac atgcaccgcc atctgggtccg 240
 agacggacac cactcacaaa aagacatgca agaccctaga tctagctgat ctagccaca 300
 caactcgcac gaccctgtcg tagatggagc taatccgtgc aacagaccag taaagtatgc 360
 tagctaccga cgaggaacgc taatgaccgt gtacgcgcac atctagacag gcgcgatcct 420
 cgtagggaac aagacagatc cgcagcctcg acgattatca agcggctgtg ctgcacaaa 480

cgtacactag cgacgtgtat tgcacgccnt ggacatcaac ctacgacatc ggactatctc 540
tctctctaca gagcattgac actcacacac acagctaattg gcggtgctca agtgagcttg 600
accacacatg cgtgcgtaac atagttagct atgtcaaagc cagcagagct tcacaccgat 660
atanagcgac agacactatg accacaccgc gccacgtgac gtccg 705

<210> 13096
<211> 314
<212> DNA
<213> Glycine max

<400> 13096

tttgaatgaa gcctttgaca tatctcctag attgcaatct taagatataa ggatgagatc 60
taagactcaa tgtcagtcag ataatttaaa gatttttttg aataatgttg atatcaagat 120
aatgatgaaa tttgaactca atgtgtgtaa agataaaaatt gtatctcttg gcgtattatt 180
aatcttttga atatttatac aagaggggtgg accttgacat aaatgcgaag agtgactctg 240
gtcatttact attagtagac taatcacata ttgactctaa cctatatgac ttattggcga 300
tgacctttga actg 314

<210> 13097
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13097

tagcttgtga ctcttggaac tttcttttaa actagtcact taaaaagttg tgacttttga 60
aagaatcttc agaaacaagt cacttgaaga attgtgactt ttggaaatgt atttttcgaa 120
atcagttact ggtaatcgat taccattaag gtgtaatcga ttacacatca acatatgtga 180
ctcttcattn tgaattntgc aaattaaaac gtttagaagc tctggtaatc gattacaagt 240
attgtgtaat cgattacata agtttgaaat actttaaaat tgtttaaata taagttttta 300
ctcttgaaat ttgaaatctt aacattctaa aacactggta attgattact accttctgg 360
actcgattac cagagagaaa aactcctntgg taatgatt 398

<210> 13098
<211> 382

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13098

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 aataaaagag ggagagaagt ggaactttga agtgtgtctc ataagactnt cattcatcan 120
 agttacaaca agtgttacac atgtttctat ttatagacta ggtagcctcc ttgagaagct 180
 ttcttgagaa aacttccttg agaagcttct ttgagaatac ttccttgaga agctagagct 240
 tagctacaca caccctctta ataactaagc tcacctcctt gaggagcttc cttgaaaaga 300
 tcctaaagaa gctagagctt atctacacac acctctctaa tagctaagct acaccccatg 360
 acaaaatata tgaaaatata aa 382

<210> 13099
 <211> 318
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13099

 agctttcttc tggataaact ccacggttgt agagaatgct gatcaaattc ccatattaaa 60
 atacttataa atatcacaac ttttccagcc acatgcataa ttgcaatgca aaaaataaga 120
 cccataataa attaaaaaaaa taaaaaatgc aggacacaag gatcaaacct gttggcagca 180
 tatcctgatt tgaanaaatc accaaataaa aacanaaatc aggcanaagt tcacaaaaaa 240
 atacacaggt atgcaaaaaa tgatagaaat cggaggaaag cgagataaga gaagagggat 300
 aggaataccg aagaactc 318

<210> 13100
 <211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13100

 tactgaagtt atcaccaatt agatggaaca tctcatgana tatatnaatt cttttgggtg 60
 gaaaaacgga gcaatagaag agttacatgt ggataacaag cagagtaaag actcacgcta 120

caccatgaat gggaaactaa gttttaaata tatttttgtt ctcactttgt agcattntct	180
tttattgttn tgtaagcaaa agaatacaaa caatgaaaat ctattccaca acatatccca	240
gcatgctggt gcctgatgca gcacgaaatg tgaggcaaca aattcaagaa ttacatggca	300
nagctagaag tcagtaactg atgccccnac aacattatga atgcccccat tcatgtagca	360
tttgaagcta atgtttcat	379

<210>	13101
<211>	406
<212>	DNA
<213>	Glycine max

agcttcattg ctaagggaca ttcctgaaat agttgttttg cattatcaac aatagctcca	60
caatgataac aaatagaggc aaaagaaaaa ataaacccta cattcaaatt atcatccgta	120
gatgaacaat catgaatcca tctccaaaac aaaaaggatt ttgatggcga gattcctttt	180
ttacgtaaga tcttatgcc aagataatgat tgcaagttag tttggaagaa agataacact	240
cctttaaaag tcatgtttcc taaatttgag gggatccaca tgggtttatc tatgatctcc	300
tctaaaggaa taataaaaaa tctaattgtct tccgctagct aggaaaagat agtgcggaact	360
cttgagggaa gcacccacat ttattcctat ttaagccctt caccat	406

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<223>      unsure at all n locations
<400>      13102
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<210> 13103
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13103

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 aacgtgctca aacgtctcac ttaacattaa tagcacgttc actactgagc caaaacaaat 120
 tcgaccgttg cttcacacgt ccctctacat tcctcaatca aacttatatt ntcgtggtaa 180
 tctcaatttc agcatacccc aacagctctc agagatttac gaaatcattc caaacgtctc 240
 gcttctccat ggctacctca ccaaaagaaa cttcagctcc ttgttcaccc tctgtaccat 300
 catctccatc atccaccana gcaccatcaa accaggaacg acctgaattc aatatccagc 360
 ccatacagat gattcctggt c 381

<210> 13104
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13104

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 aatggggcaa aacacaccaa atgattatga tgatggatgg ctcanattct cacaaaggta 120
 aactcatcac tttcaaattg agctntcaaa actatcatga catgtagaga agaatcaagg 180
 atttcaagtc acaaaatgtc aagaactgtt atnttcaaaa caattaccca tttcttgaac 240
 atatcctata attcaaagaa gaacatgcaa attcgtacgt gcacacaaca ttgacccaaa 300
 atattaaact gaatatccga cgaaactaac aacattaaca aattaacaca actaacaat 360
 taacaaaacc aacattacta gcataaccaa agaacacttc ccccatact taaacaacac 420
 attgtccttc at 432

<210> 13105
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13105

cggatgatcg cttcagtcct cnggtatccg tgcacanca ngcanaagcn cctncactct 60
caagggacgt tcatatatgt gctatatant tcaggtanat gntntatggt cgctatgngc 120
cacaacagaa ctgaggcgta tgtctaaggt ggtaattcag acacctatgt gaactcattc 180
accaatgcta tatcatacac atgggttgtg gtctcgacac tcatactatc taagaggatg 240
tattcccgtg cgttatacct caaagaagcc tacaatgggt gagcaaact agacatatca 300
cgctcacgtc gaccggactg aggaaagaca acatatgttc tcataacgat ttaataaaac 360
cggactggaa cacatccagg gcatacacag aataacgtcg atctgacgta gaagataaac 420
aactgaggca attagcaacc tgattattag agatctgtac aggagcattg ctagcagaca 480
ttcgtagtta aaactcaccg gcgtgcaggg tgtctaacga gcaggtcata tatctatgaa 540
tacactggtn tggcgagtgc gctcccg 567

<210> 13106

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13106

atcatcgaga tcttcatgat anacaataga aactagtaat ccttgacttg attcgatcct 60
cgataatgca atgcataaca tgccatggct aaagacagga tttggcagat aaagttacac 120
catacaaggt gagacgcctt gatacttggt aatagacatt gcatgagata acatgattgg 180
agatagtctt ctcaaaagat taagaggcca cggtgattga gaacgcaaca ttgacattct 240
tgggatgtaa acatta 256

<210> 13107

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13107

gcttcctcgg agccatttcc tgcgagaaca aacatntaca agttatgttt actaggtttt 60
gcatatctga acgcacaana agtcatgcta atccctctga tnttagaacg aactcacgta 120

atctatgtat gcacacgcgt atgtgtggaa tatectacta tttatatcaa catagaggcc 180
atccaacaga ttctaattgt catacatata tatgcattag aaaagaacac acattctcac 240
gctcaaagca ttgcgtcaaa gttcacactt aattatatcc taaacattta ctattacaga 300
ctacctacac atatctgaaa tatatatcat acaaaatcta ttggttctct ctcatttata 360
tatatgcata ttggaaagct attacattct gccacactgg ca 402

<210> 13108
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13108

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aaggaaaatg gatcattttt aagggtccaac gccttaaaat gactcacctt gcaagtaaaa 120
agaatcgctt gattcacctt taagaaagaa ctacgtaggt ctgatttctt cttcgatgga 180
gggtatgtac gagcaagagc cccgcttttg tcgacctcaa aataaaaaag aaataaaagt 240
ttaggtacac aatttcacac aattctaaga taaggctgtt gttctttggg acaaacgtga 300
gagggtgctta tacctttctc aaatgtacat acgactcttg aatctggaat attcttcatg 360
accgantctc ttcggtcttt tcgacatttt ccacaaataa ac 402

<210> 13109
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13109

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atattagaat atagagagaa aagtgtgtaa taagatgggt gatgtgatag agaaagataa 120
gatagaacaa tacgtactat agaaaattgt tgtacaaatc atgtaactcc acaggaaatg 180
ataatgtaaa attgagaaag ataacagtga agaagtataa catgaagagg aatgattcac 240
aaactaactt ttactctaaa catntcattg ccattcatta ttgttctctg tctctctgtt 300
tctattacta gtgtgtctag ataacaagtg agagaattga ttctaatacca taagatcatg 360

gtgacaccat gaataagctg aagctagtat gtgttgcttc tctcttaaca tga

413

<210> 13110
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13110

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ttctcatgta gctagcatac anagtccagc cgactctggn cagtgtagat tgtntcgcaa 120
tgaccaagag ggatgatggt gtattctgtg actgctctaa tacattgcgc tttgtcatct 180
aaagtcatgc caacctccac tataccgact ggtggttata catttgtgta ctgatgaacg 240
aaatggtgtc gatcaatgaa gtgcggtacg tggtcacatg acaagtctac tggacaccta 300
tggtgcggat attgccacgg cggagatgga ggtagcattg gctaccaaca ccctcgatcat 360
acggatgggtc aatcgtttgg ctgactgatg tgatccaaga acctgtgatc cttcatactg 420
actgacatca tccatcgttt tatcatgaca tcgacttatg tgatcintga tagcactgcg 480
atgtccatct tcgtttgatg acacgtatgg gaacntagag aacgtggcct ataggggatg 540
agagtagctn 550

<210> 13111
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13111

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ctttaagctt atgcacggaa aatgtaatta tgaaattgag atgcccgaag aaacaccatt 120
tcctagttaa ccatgcatta ngtaccatgt tcaattatct tgtttttaag tgatcgggt 180
ttatgatccc aacatgggtg gctcctaaca catgaaacta agaatgtagt gtgaaagtcc 240
acgttcccc cttctttggt tntagtttgt agaggataac gcaaggatga gcaaactga 300
aaacaaatgg tatgcaatct tgcagatcan aaagtttgtt gaacgcatat gcatgatgat 360
gccatgactc atgcaaaatg tgaggctgga tatgataacg gacanatgca cgatatgtcc 420

attatgatag tatgaagaga tgctta

446

<210> 13112
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13112

acactatcaa actcagcttc ataaagtntc cacttctccg tgttaccggc anagatatta 60
atntagttag cggttaacca cattatgcaa ttctaagtgt atttttgggg aaaaaatggt 120
cttcttttaa atttaatat attccaaaaa taaattcaat taaacacata ttaaatataa 180
attctcatac acgagtgaga aataacattc atgttcttgt tccccctttt atctatatgt 240
cgtaactatg acttagccgc acatgcaaca gataaggaag agcaacgtca tgccttcact 300
tttcaataat gcttggatat agaaggaata aaaaagtgag aaatattcct gttttggagg 360
ggtggagggt tcacctgtga taggaaatan gacacagaac aataaataag aaatataatg 420
aattttgtat tattttatta aagagaaata ttataaaatt atatttgtaa attatttggg 480
tcggataaaa 490

<210> 13113
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13113

tctcaaaggg catggttatt tctagtntcc taacaatatc taagaatctc accaaatatc 60
tgttcttctc cttcttggat ggtaccacaa gatatggtag ttccgcacct tcattcacag 120
ctttttctct ctttttctct ctagcttggt cacttctact cctctcttca ctcttattat 180
tatcatcttt ttcatctctt atcattacat aatactttat cttggccatt taatatcttt 240
ttcttgacca ttattegctc ttcttttgcc taatttcctt aacctttcac atcatctttc 300
ttatcatcaa tacctctatt ttcagcatct atcttcttgg gcacgacaac actgacctca 360
tctccgcct ccacaaacct ttaacttctt gtcttcac 398

<210> 13114

<211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13114

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 aacgagacgc tcgaaattga atgtagaagc tctgagctaa ttcaaacgac aataacattt 120
 tactcggatg gctgattgac tctgtcata tatcgagacg ctcgagattg aatgctgtag 180
 ctctgatcgc attcagacga cgataactgg ttacacggat gtgtgattga gtcccgtgat 240
 atatcgaaac gctcgagatt gaatgtgtga tctctgagcc aatccgcacg act 293

<210> 13115
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 13115

ctcggatgtc cgagtccgga gcataatata tcgatttgcg tcgtttagat catcggaagc 60
 tctagagaga ttcagatggt cataactttc cacatggatg tctgaataag acgcgcaata 120
 tatcatgatg ttcgaacttg aacaacggaa gctctccagc aatactgata gtcataactt 180
 tatectcgga gggacgattc atgcgcagaa tatat 215

<210> 13116
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13116

ntctactatg ttgtcacata agtctgcaat gcaatcagat ntgaaaatat tatgaanagt 60
 gaatagtaga tcgagtgaat cttanactgt ataaactagc tgattgccta gaaaactaca 120
 acaaagaaag caaatatata atcctggcag gtcatgaaaa cttgatcttg caacaaattt 180
 gagaaaaagt aaatagctat aatcatttga tgaagcacta gaaaatttaa cttgcttgag 240
 aatcatgaca cattaacttg ctggaaaatc atgacacatt aacttgctnt ttagacacac 300
 atcttggttt gcagtgcaat ataatacaaga gcctaattat aaataattc 349

<210> 13117
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13117

cgcttgtgaa gcttctatgg aggctggatc tttgagcttc aatgaggttc ttcaatggcg 60
 attntccacc atggagatgc agcggaaggc aaaggagaag atgagagggg aggcaccatc 120
 cactagggaa taagccatgg aagaaggagc ttctccacca agaatgtgcc ttggataaga 180
 agcttgaaga ggatgctcta atggaggaaa aaaaagagag aaggggggag cacggaattg 240
 aaggaattaa agatggagag aagtggaact ttgaagtgtg tctcataaga ctttcattca 300
 tgaatattac aacaacgtgt acacatgctt ctatatatag actaggtagc ttccttgaga 360
 agctttcttg agaaaacttc cttgagaagc ttctatgaga caacctcctt gggaagctag 420
 agcttaact 429

<210> 13118
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 13118

acagtccaca agcaccattc tcttcagtag agaactaacc aagtatgttt gcacgattat 60
 caaaagagag agtggagaag ctttcaatta ccgacttgga gtctggtaat ggcaggcctc 120
 cactccccga ggagagagat tccaaattgg agccattggt gtctaaagat cattgaagtc 180
 tactttgtat cataaggtaa aaagtgtatt tagccattct ttcagaaaaa ataaaatgaa 240
 taggttaaca gtaaaccggg tgtaatcaag ccaacgttaa acaatagctt gtgtatattt 300
 gattggccgg ttgctgtaaa attaaatgaa cttttaagaa tggtttatta atgaaatctc 360
 ctggctgctg gtatccctaa tacaaca 387

<210> 13119
 <211> 85
 <212> DNA
 <213> Glycine max

<400> 13119

tccattatgt atttgagtaa ttagtaatat atctgtttat ggttacgcta tcttaaacad 60
 ttccatggat taatgatgaa atatg 85

<210> 13120
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 13120

gactcatcac gtcataat aaccttggcg tggatccaag tgcgccgac atccatgtgc 60
 atactcatgt cttggtggca tactcaccga tgcttatttc tctatgaaat tcatcataac 120
 taagaaaaca ccaaggcgcc cctataacag tcgctcccta acaatggcta atgaagatgg 180
 cgtgtgtgaa caaatcaaag ccaatctatc ggtcttaaaa catcaaat 228

<210> 13121
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13121

ntgagccaca atcctgactc accatanacc ttgacgccag gtgagaatgt caatccttac 60
 cctcggaagc aaaaaagaat agaggggaaa tttccaatca aagaataaga gaatgagaat 120
 ttccaatgaa agcaaaaaaa gaaaagaagg aaaattcccc aatcaaagag tgggagaaaag 180
 cacaaaaaga taagatagga aattcccaat caaagaatgg gagaaagcaa aaagaaaaga 240
 tagataattc ccaatcaaag aatgggagaa agaaacaaag agaacagaag gaaagaaagc 300
 tcctgatcaa ggcacgaaag aaaacagaag atatgtgcag agaggtcttt ggaccggacg 360
 atatctgaac aatacagaat tgtcacaaaa tgaacaaaga aggaaggaaa ggaaaccacg 420
 acctaaaatg gtcttctccc tttga 445

<210> 13122
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13122

tcaggttgct cattccagat ngctgcanag aaggacagag atctgtattg tgatctattc 60
aagaacatag accacagact cttgcaacag gtgtagatct cttattcatg gcaagctgag 120
ttactaggtt gaccaaggca tcaagttttc cctcaagcct tttattttca atagatgaag 180
atgaattctt ggccacctca tggactcctc taaggacaat agcatcattt cttgcactga 240
atagttggga gttggaagcc atctttctcaa tcaaattcct agcctcagca agagtcatat 300
caccaagagc tccatcactg gcagcatcaa tcatactcct ctccatgttg ctaagtcctt 360
catagaaata ttgaagaatg agttgctcag aaatctgggtg 400

<210> 13123
<211> 369
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13123

ntacttcaat atgttccana tcattaagaa tcttggagat atcatccaat tgttcagagg 60
ctgctcttga ctctgctatc ttgaagggtgc agttgttgct tcaagcatag ccgatttgca 120
aaggactttg tcatatacaa tgagtccagt ttcaaccaca ttgaggcttc tgtcttttct 180
cttgcaactt ctcttaaagc tctatctcca acgcatataa tgattgcact tctggctcta 240
tcaatcatct ttgattgctc ctttgagctt agagatatag acatctattc ttctccttta 300
agagcttctg cacagtcatg ttgaatcaag attgcttaca tcttgattct ccataacctg 360
aagtcattt 369

<210> 13124
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13124

cgtaccccag tcatccataa acctatntgg aacattagac attgtcatac tcctaatttc 60
gccggagatt attatntgat gatatacaac ctttgattgg ccgcttcaag atacttgga 120
ccctttgttg cacaatatgt gaagtcccga gatgtgccga aaatcanaag gaagcaggct 180
tacgcgatcc gtgaaaatat cgtaatgtga cagaaatcca aaggaagtgt ttttcgcaat 240

ccgtgagtta tcgtaacttc ttcgaaagct aaacaagagt aaatacataa tccgtaaaga 300
 ttcgtaacct tgcggaaaga aaataagtat cgggtactaaa ttcgtaaagn ttcgtaacgt 360
 tacggaaaaa gaattacaaa 380

<210> 13125
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13125

ntaagagata ccattaanac taaagtagtt cctaaacaat tatcaattgt tgaagcttcg 60
 ccgagtgtcc tcattgaata acctttattc aaacctttca aggttagtga taatgctaaa 120
 cgaacaatta tggaacttag agaaactaaa tccttaattg aaggcgtatg tgacaatcat 180
 agcgaattac taaacaagat tagtagtttg cttaaagtca ttccagatac tccccagct 240
 tcggaaaata cttgcaaaat ggtcacaaaa agtacctccg aattaattaa tgttattaat 300
 gaagatagtg accaaaactt agattacacg actgatatag gatcagtgtc ataaaagact 360
 ataaatccat ttaactccta acact 385

<210> 13126
 <211> 96
 <212> DNA
 <213> Glycine max
 <400> 13126

caatggctca tacctcacat aggtcatcaa ccattccttc ttatcttcaa tacggtgctc 60
 acctatcaag cgcgagcagt tataccgact cgcact 96

<210> 13127
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13127

tctagtcgtc catagacctc ctcataggta ctgttcagca nacgttgat ctgtgcattc 60
 atcgcacca gtaacagacg ttgaacgccg tcctactgat gatactcgtc accaccacca 120

cctgctccag ccataattca acaggaaaaa aaatgtgcaa taaaaattat taaggtttca 180
 agacctcaca acactctact cacgtgttta actcttagat ggtagtacac ttgtgtttaa 240
 tgctctcaat aagcttttgt gtaatgtatt cctcttgcc ttttaccact cgtgtttcct 300
 cttaagttcc tggatggacc aaattagaca cacaaggtaa tataaaataa aaggaaagac 360
 aatataatga tcacaaacag atttgatttg ngataacaac ttggacttng atttgataat 420
 aatatatt 428

<210> 13128
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13128

aggtgggtag tatggctggt ggtggtctgg tatatgtggt tgcacatata tgccattatc 60
 tntaatgata ataagcgaag tgtcaagggtg gttgcaaagt ttttcaagta cagggcttgg 120
 tcatggctaa tggaaaaagt ggttaaaggc attggggcat cattctacga atgctgaatt 180
 gagtttggcc attgtatgcc actgtcattt atattctgca aactatggac ggtaagttga 240
 tgctaggggg ttataactgt gactgaacgg cggaagctat gttgacttaa tttcgggcaa 300
 taattcttgt atttagtatt aacgggatgt ttaaattggt ggctatgaag cacgaacatg 360
 ccgctgaagt gccgcgttcc gcgtc 385

<210> 13129
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13129

atgacattta gctcacaggt caagaacact tcatgataac aaagatgatg atctcaagaa 60
 tcanagaatg agttcaagat gttcaagatt gaatcaagaa catttcaagg ttcaagagga 120
 aattagattt caagaatcaa gaatcaagat tcaaggttca agcttccaag aataagaatc 180
 actattcaag actcaagatt caagaatcaa gagaagatat tctcnagatc agtatgaaac 240
 agttttttca gatcctgact agcacgtgca ttcttctcca aagctatcta ccacagagtc 300

tgtactctct ggtgactgtg accagattat tgtgatcaa

339

<210> 13130
<211> 307
<212> DNA
<213> Glycine max

<400> 13130

tgaatcggac ctcagtgtga agagttatga ccatctgaat ctctcgggat cttccgttgt 60
tcaatttcga gcgctctgtat atgtgatacg cctgaatcga acatccgtgt gaaaagttat 120
gaccatttga atgtctcgaa agcttgcttg gttcaattcc gagcatctcg acatattgtg 180
tgcccgaatc tgaccatcgt gtgaaaagtt atgaccattt gaatttctcg agagcttcca 240
atgtgtagtt tcgagcgact cgatatatta tacgcatgaa tcggacctta gtgtaaaaag 300
ttatgac 307

<210> 13131
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13131

ntatatctat ggtaaagcag aagaggatat acccttacgg gaatcaatat taggaaatat 60
caaatcttag ttntgaataa taatgagaat gaagagagga cattgatgat agagatgaaa 120
gaatgaatac acacttgcaa ctgcgcatag gaccaatgac tagaggttgt gactccttga 180
agctgtgcga tgctcttttc tgtacactcc aacgtaacac tttcaaacc tacattctat 240
tatatttatt tcgttataaa agagagagac acttctttta agatggtttt cataaccgtc 300
ttagaatggt agtttctaag gcagttcttg caaaaccgtc ttagaataat tgcatttatt 360
tacaaaaatg tcaccgtgtg tctttctaga atgattctct atcaaccgac ttataatcaa 420
cgtcgtaaaa atagctttct ctagtagtga atgcatggtg ctttaagcgac ttaagtga 478

<210> 13132
<211> 362
<212> DNA
<213> Glycine max

[illegible]

<210>	13133
<211>	378
<212>	DNA
<213>	Glycine max

tctgtccctg	aganactggt	tcccagaaga	caacagggag	tttagattgt	tgtaacccta	60
gccttgcaac	aagtcctagg	gaagtagaca	cggagatgga	caagaaaatc	cgcagtattg	120
tgagtagcat	tttaaaagac	gcctctgttc	ctgaagctga	tgaagatggt	ccaacatctt	180
ccaccccgaa	tgtttctgtg	cctgatgttg	agaaagatgt	tccaacatct	tccggcccaa	240
atgctgaagc	cctcccttca	cccagtgaag	aggaatcaac	agaagaagag	gatcaagcct	300
cagaggagac	ccctgcacca	agggcaccag	aatctgctcc	aggtaacctc	attgacttgg	360
aagaagtcga	atctgatg					378

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<223>      unsure at all n locations
<400>      13134
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5549

gattcgtcca tctcattatg catacaacta gagactaacc ttttcactat gactcatcaa 240
tctgaagaat caaacataaa atatggactc aaatatgaag accattttatc ttcggtttcca 300
acggaatgaa actgatgcta ataaactnta tgaatgttgt tcaacctgta tacaggggtca 360
acacaatcat cataatttat atggcgagaa acacctgccg caattgcat 409

<210> 13135
<211> 425
<212> DNA
<213> Glycine max

<400> 13135

tctataccac cccattttctc tcctcctttg gcaacatcat atagccaaag tgcgtggcaa 60
tcaacacaag attatataac taaagtttac ataataaatc ataagtctca acagaatata 120
agacaatcat ccaaaagtta aaaccaaata taatccaagc ataaataagt cataacaaaa 180
tataattcaa gcataaaaga ctaagtgcc aattatcgaaa gataacaaaa gttcagaaaa 240
tgataccgta aaaagcatag cctaatacac ggcttataat aaaagataat aacatcctaa 300
aaactaagac ggtgggtggaa ggtcgaagct ctgacgaaga taagttacat cctcttcaag 360
ctgctgtgatg cgggtatcca tgccttcaaa gcgaccatcc acagaatcaa atcgctcacc 420
aacat 425

<210> 13136
<211> 591
<212> DNA
<213> Glycine max

<223> unsure at all nlocations
<400> 13136

tctctctatc tcggcgtang aactaccat antagtgatc tcgtacatac gtncgctcct 60
actcncacc ccacgnctga ccctganacg ttttctagga cacttaaate tcacttctct 120
acgggaaaat cttgctgcc aagccttgtaa ttaaattggt caatgtctgc tgaaaaacat 180
cagctggggc tggtaacta ccgatgctgg ctactgttat atctattcca cccctgaata 240
atacctggac gatagccata ctgaaatggt cgatcggatt catccgggca tagcttctat 300
taagacctct atatgtcata tattcctgag cgacagtcgc taacatattt ttccatcaat 360

aataagaaca tcatgcttat ttgcataggg ggctaacact tttatagctc atgaaatgaa 420
 agcatgccta tggtcagcga tacacaatct tctctatag atccctactc gacctacatt 480
 gaatttttgt aggnataccc aacaagcaac ctcttctaca taagaaatat atctacaaag 540
 atgtaaaaga tctgaaggat gcgaaaaaat cgccgggctt taaacaccat g 591

<210> 13137
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13137

ctanagtcgc atatcttana ggaaacgaat canaattgat gatgtacata tgagactaat 60
 ttggtgggttc ataaaatatc tagctgtcaa acataagttn tactaactag aaatgaatgc 120
 tgggtagagc attactatca atatgatatc aacatgataa attacctgga atagtgggtg 180
 gggaaccctg atctccatag ccaagtttcg ctgggtatctt cagcttccgc ttctcaccaa 240
 gacacattcc caataatccc tgggtcccaac ctgcaaagag aggtagtgat catggaatac 300
 tctatcttga aagatttccc atcaatcata aaccagtaat ttgtaacaaa attacatcat 360
 acatactagt atgattatgt aaatacacgc atgcatgtat gtgagcataa attatagctc 420
 atatgtcttg gtgggtatgt aaataaataa tat 453

<210> 13138
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all nlocations
 <400> 13138

gtgacncctg acnatgatcg ccatagagna ngcgacacaa nataactcaag ctctggacac 60
 ttaatatntg agagagaact gcatttccga tcttgagatg aattgacaaa gccagcagca 120
 caaacaatag gtgggtgcaat ctgaattttc cctgtcacat cgctttgcac atcacctgtc 180
 tgtctctaca ttacaatgaa catgcatatg ctcgcccacc tataacttca tcgcaactt 240
 tatagacact gtgtctatat aatacctgct agtgtatgag tacatntgcc acatctacag 300
 gtttcaccgc ctcttgtatg atttgactga ctcgctttga agatgacatn ctgcgtgggt 360

gggataccct gacgtgtcga cacatatttc atgcacatgc tgctatagct attgggcata 420
 atcttacctc cgtatgatgg ttcattggatg tgcgcacaa cgattttaac cttcctgcag 480
 aattccactc ttcaatatat aagaggtggt ggccg 515

<210> 13139
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13139

cgtgggcana ntgaccacg ggctncgctt gttatataat tgttctattg tccgctgaca 60
 aacatgacta ggtgctgcgt gactaccgat gctggctact agtatttcta tacctcccct 120
 gaatcatagc ttggagcgaa tgcagatttc agaaatgttc cgatcggaat catccggtca 180
 tgccctcttta taagacctcc atctgttata ttttctggc cgacctcagc tagcattcct 240
 ctcaagcaat atcggcgaat catgtctttt gccaatgtgt gctaacgttt tctgtggctga 300
 tgcattatat gcttccaggg tcagtctgta acaagtctgc acgatataac ttatctgacc 360
 taccttgata tcttgaacga catccgacag ccataactctg ttaccaaacc atatatactt 420
 ccacgttggt aaaaattctg agtgtctgtg gaattatcct cgagcttcgt cgatctacc 479

<210> 13140
 <211> 233
 <212> DNA
 <213> Glycine max
 <400> 13140

aaactcaagc tctgattcga atttgagcgt ctccaattat aaatgactca atcggagtat 60
 cgagtcacaa gctatcgacc gtcgaaagtg ctcatagcgt ctgtcagata ttcgaatgtc 120
 tccatttatt acaggactct atcgatcatc caagtaaaag ttattgtcat ttgaatttgc 180
 tcatagctac tgatacaatt cctgcatct cgagttacta caggactcac tca 233

<210> 13141
 <211> 264
 <212> DNA
 <213> Glycine max
 <400> 13141

aaggacacag catacagtaa tcggcaacgg tttatggacc tggtatatag aagaacgcat 60
 tgggtctgtt gcttatcgtc tcaagtaacc ggcagaagct ctcatacacc ctgtattcca 120
 ctgttcatta taaaaacat tcaaagggc actggaatgc gtaacacaag tgcactgacc 180
 gaagcaatat aaccaccatc aaccctcgat catgcctatg actatcttag acgaagcgaa 240
 gaactacagc tcatgggcct ctag 264

<210> 13142
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13142

cgatcgccat tgggccttga tgacagctgc actancngac acnacagcnn gctcatgctt 60
 atgagtcctt atctgtacgg aaacgaagcc gcacgtgtgt atgtacattt gtacactcat 120
 gacggtggca cgactgacat attgctagct tgtcactaca atcactatgc tctaacataa 180
 agatgaatgc agtgtagagc attactatac tcatgatatc cacatgatgg attacctaaa 240
 acagcgagtg acgaaccga gactccatag cctgattaca ctgggtattct cagatttcgt 300
 ctctgtattca gacacatcca caatggctgc gtggcccaac tccgcaagac aggcagtgat 360
 caaccacaac tctatcttga atgacttatc atcaggggta tgccagaact cttgtgcata 420
 agcacatgcg acatgctact gagaatatgt gattacactc tagcacgtgt gtgaccatca 480
 attatcgcgc atatgttgag gtgggtctgt acatacatat tatcaccctt atcttatgac 540
 tgcatcgata aaacatctct accg 564

<210> 13143
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 13143

tctgacagac catacaagtt tcctaacgat ttctaattat gtgggccatt aactctatca 60
 tatgctgaca atagccgaaa agcccatgaa tctattcagg ggcggagtaa gtgttcgcca 120
 ctgctatggc cttggctaac tattagggaa ctttttgact cctgttcaaa gtaagagcga 180

atctggcctg ccacattgct gtctcttggg gccatgaatc aataaccctc tcccatagct 240
 cgctatctgc tgatttcttg agcgactatc ctctacctct gcaactgagtc acgctaattt 300
 acttcttttg cctcattatg acggccacat ttccttc 337

<210> 13144
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13144

tcataatgaa gtagccaagt agtgcaccca agaagcatga tttactctgt cntattttaga 60
 aggttgaaat gctacactaa atacttacta ataaaattaa agtaattaca tttgtaattg 120
 ctaatttatt aaataatatg tattttctgg tatgaacgtg gttctttcgg cttacggaaa 180
 gcatattatg ttggttctaa aaaactaaat ttcttacatt aatgcttatg ataccaatag 240
 ggaggtcatg cataatgggt tggttcctca tgatctcttt ttaatctaaa gtttacgaat 300
 ttagtaactc aatattctcc ttatttttcc atgaatattg cagcggggct a 351

<210> 13145
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13145

ctgagccaat tcanacgaca ataactnttt actctgatgt ctgatttgt cccgcaatat 60
 atcgagacct tcgaaattga atgtctaagc tctgagccaa ttcaaacgac aatatacttt 120
 tactcggatg tctgattcac gtcccgaata tatcgagacg ctctaaattg aatgttgaac 180
 ctctgagcaa atgctaacga aaataagttt ttcttgatg tcttggtgag tcccgaata 240
 tatcgagacc ctcg 254

<210> 13146
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13146

5554

cgccaccag ctcgccagg cgagcanggt agcttctctc attatcaact accttctgga 60
 ggaatcttat ggagggccca agtgggcctg gttgctatgc gcactcccat tattactaag 120
 gacacccctt gccttatctt agtgatcct atcttcttaa agttacggaa acttacgaat 180
 tncgtaacga tacttgtctt ctttccgtaa tgatacggaa ccttgtagat tgcataatca 240
 tccttctttt gacttacggc atgttacgga acctcagcta atttgcaacg atgcttccat 300
 tatagttctg gtgtgtcacg gaacctta 328

<210> 13147
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13147

gtttacttct gaacaatttt acttatcttc ctcanattag ggtgtatcat gactaacaaa 60
 gacatgatta tcattttttg gcttatgagg ttacaaaaag acatgatcat cattgggtggc 120
 tcaaataagg tgcaaaggat aaattattat caaacgttgg attttaagct gagtggctta 180
 aaataagaac aaacataaat aaggcttga tcaattccac ctcatgtaat taatctaaca 240
 gtctaagaat aatgccaaat cangaaaata aatatagacg ttttctcaca cgtaggtntc 300
 acacaactca ccacgacaag acaaagttag ttgcttacca taccatgatt tct 353

<210> 13148
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13148

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 agttctgttc ctattctgac tttaactgag atattaagtg taatatttga gtattttgca 120
 atatggtcag tgcaatgacc tgatcaattt aatacactga gatgctgcaa atattttctc 180
 acagtttcaa taaaaacaaa aaatgatgca tttaatttgt gaaacaaaaa aactgggcag 240
 tcactcctagc aagtccttga tcttatcaaa atcacaatct cttttatgat ttgccatgtg 300
 ttgatcactt gggtgcccc tggtgggttg atataattga aacaaatgtg agacatttgt 360

aaagggaatg aatgtctttt tcagaactta ttgagaagta cttcttacat acaagaatât 420
 tctggagaat ctgaactacc aaaattgggtt cagaacttgg ccatgcttga tctcatccaa 480
 tttgatcatt ttcaataact 500

<210> 13149
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13149

ngacangccg acttgtntaa gtaataataa taataactat tatctataac anttttatgg 60
 cattatgaat gacagtatga agtggcatan agtgcttaga gagttccctt gcatgtgaaa 120
 aattctcaaa aagaaaagga cttatattaa aaggataata caaccagatt aatacttccc 180
 aagacaagaa tgttttgtaa agacattttc agacaattta aatattttta tttggctata 240
 ttagtataaa tcatgtctaa ttcatatatt ntttaatat atgttcttta ttttcatttt 300
 cttttgatat acttttgttt ttaataactt gaattcaata tgaatttgta cattacttat 360
 acaaaatttt ataattgggtc ttttgggtag tatttcacta cgttttaaaa caatctaattg 420
 gttaaagatg tc 432

<210> 13150
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13150

agatgaagat gaatccgtgg ccacctcatg gactcctcta agatttttagc atcatttctt 60
 gcactgaatt gttgggagtt ggaagccatc ttctcaatca aattcctagc ctcagcaggg 120
 gtcatatcac caagagctcc accattggca gcattaatca tactcctctc catgttgcta 180
 agtccctcat agaaatattg aagaaggagt tgcttagaaa tctgggtggtg agggcagctt 240
 gcacacaatt tcttgaatct ttcccagtac tcatacaagc tntctccact aagtttecta 300
 atgccggaaa tgtctnttct gat 323

<210> 13151
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13151

acatgataca tgtcanggct cggtttggtt caatgataaa agggatgccc cacattattt 60
 ccatgacaca natgcaaaan atgatgattt ggaaatttta tgcaaaactg gtcatgcggtg 120
 cgcctatggg gacgctcaag tgtcaaattt ttatgggtcat gtgatgctag ggctcacgat 180
 tcatttcctc catattaaat caacccaatg tttccaaaat atgtcctttt atcaatttgt 240
 gcattcctcc aagtccattt caggcggtccg gngaaatttc atagcattca cccttcatgt 300
 gtacacattt ttttttcaaa aactagctat gatcagcgaa tttttctttt atagaatagt 360
 tggaaccatc tctttcacia catgtaattt tagctagaca cttattttct tttccacct 420
 ctttttactt gtttctgttt cctatt 446

<210> 13152
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13152

ntctttggac cttgaacagg caactaactc ctctntcana accatgccat gtgctcgcg 60
 ctgggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccggtg 120
 aaatttggtc cggtcatact ctctcttgcg agccctcttg gtctcttggt caaaggctct 180
 tgcggtaatt gcattctttt cccgtaacct ggacactcc ttccgaacgt gtgtaacggc 240
 caacttgaac ttcttcttggt ccagttttgc ctttcctaac ttgctttaga gagctaggac 300
 ttctttgtct tc 312

<210> 13153
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 13153

cactaagaaa ctgagcttta ccttccattt taaagagcag taccaaaagg gtttagtttg 60

tagactgaga attgaagcac aaccaaagct caaagatggt gtggtgtgca ctaaagttct 120
 tgacattcta aacaaatact tctttccatt atttgttatt tattcatgaa taactgctgt 180
 catccgcaac ttgaaatgtg agagagaaag agatcctctt tattttccaa ttgttcctaa 240
 aattacagaa ttcaaccatc ttagaattca gcgatcactg gttgaattca caatattaaa 300
 agataaagtc agtccataga taatcttcca tttgaatcct atttccaatg tatcgcta 360
 taaacaatca aattaaacta tcttactttg acaagaccac t 401

<210> 13154
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 13154

ccacgagaat gatttcaaga ttgagtcggc agcaagtcaa gaatctagag acattcgata 60
 tccagaatca agtttcatgt ttggagaatc aagaagctag agtcttcgag attcatgact 120
 cactattcac gaatcgagag ataactcact caagatcagt tctaaagttt ttttcaaaac 180
 attgagtagc acatgacgtt ctcaagaaat gctttaccaa agagctatta ctctctgtgt 240
 atcgattacc aatagcggat attgttttcc aaagctttca actgcatgta caaccttcca 300
 atcgatggct ata 313

<210> 13155
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13155

ttgtcaccaa ctaggctact atccaatatg tgtgatagtt ctcacaaacc cagatataat 60
 agagagcgaa agactcgta tttgattgtg tctgaacctc agtttttata gcattctgtc 120
 ttattcttta cttatttggg gtatagagct catgtgtatg tgtaagtgt gtaccgttga 180
 gtagaacaga ctatcttcga acaaaaaaac tcaaagagtt atgagaagga gagattgtaa 240
 gcatatttat tgagcagcag tcgtgctgac ctaacaccac ctgtgttgaa ttaacactcc 300
 catttctcat agaacgctat ngctaccagc atgacccatg ctcagccaac acgaccatgc 360

tactcagcat g

371

<210> 13156
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13156

tctacatgaa gcaaccagct cgcctgtgtg agcatgttac ttcatactta agccatcagc 60
tcgatagggc gagctgagct cgcctgagcg agttgagttc gcctgagcaa gctgggcggg 120
aagttgctcc cctatttggc tataaaacgg catgggatgc tgangggaag atgctcacca 180
cccttgga gcatatttca cttaaaagac tttgtctta cagggacttc aatgtctttt 240
tcctttacat ttcagacaca ttcaaagtct tttgtcttgc agagacttca atatcttctg 300
cctttacatt tcagagacta tcacatacnt tttccttgta gagactctaa tgtcttctat 360
ctccccctta catttcaaag actatcaatg tcttttatca tgcagagaat tcaat 415

<210> 13157
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13157

ntatagcaga ttntagtaat gaccactaa cttctaatta naataactta ttgccattaa 60
cctagagaat taaaagaact taatggctga gtgtaactga aattgtggca accaaaagtc 120
acccaacag tcactatttg gtctcccaaa aagctgatgc ctangttgcc aattgggccc 180
ttattacaac ttgaactaaa cctaactaaa gcccttttag ttgattaacc taaaacatat 240
tttggtcagc cgactttaca aagattgggc cattatttag acaaattgaa cactctaaaa 300
ttgagacaaa gtgggtgccat ttagtctcc cccatttggg ccatgatata actcacaacc 360
ttggactttt ctcccttgaga cttgngcttg tattcaaata gtatggacaa cac 413

<210> 13158
<211> 336
<212> DNA
<213> Glycine max

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<223> unsure at all n locations
<400> 13158

caagtccata gccatcaaag tctgaaaaga gtatgatgaa ctaacggatg tcaatatggc 60
cacagctgaa gccttggaat gagaaaccaa taatgcccga aaggaagaac acgaccaatg 120
caaacttntg aggagcttta tatggcaaca atagtgatct caagctccga agacgtgaaa 180
ggaatcatca caggtcaaag gcatgatctt gatagacgag ctaaagctt gccttaggtc 240
gaagagacat ttgtccaaca gttaagcgag actgaacgga atatgtgggc catcatcgat 300
gagtgcгааag agaagctaca tctagcagcg actcac 336

<210> 13159
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13159

tgataatcag atgacagaaa tcaaaaataa gattaccttg tattgtaatg tattactcta 60
ctcctgcaaa ggatgagtga gagacagagc cacagaatat tccaatgaag gaatgtgcac 120
cacaaaataa aatattatcc cttttttttt tttatttgtg ggtaaataac caaatccatg 180
tcaaaagtag gatgcattca taaattggtc tctaaagatg ataattataa attntattgt 240
gaacgtgtaa aaaatatgat aaattaattt tttctggtaa aatntataaa attattttat 300

<210> 13160
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13160

tgcagacnct cctatgacac atccaggact atcatctcca agttcattct tgcctcagc 60
atgtgccttc tccattggag atcaaggatg catgtggagt ccaaagttca cagataattc 120
atcttttgat gtgcgcttag acaatccttt ccatgtggaa agacttaaag agtgtagtgg 180
gccatatagc accatgggtg aagtatcatg gctttataga gaaagtcaga agtcggctga 240
tactgagaca ctgctcctga atctagtgtg aagctgttat atacttatac ttgattgaga 300
taacacacta gaatgaactc tttggttcta agttgagttc taatgagcat gtgctattat 360

gttcgtatgg acacttattt gtcggctaga acaagtagac ctcgcatgt tgaagcacca 420
 agagaagata gctatttggg tcaacatata ctatgcttta gcgatgcat 469

<210> 13161
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13161

tccatcagat aacctcaatt aagcattcga ttcagttcag gtttcaaaga gactcacgaa 60
 agtgcattgtc aattcttggg attatctatg aggtgcacaa gctcacaaaa cattaagtat 120
 aaagacaaat aattaactca aacgttatat taatgtgaga aaattacatc taatagagtt 180
 caatcctttc ttctcctagc taagaaagaa actagacact tatgaaatac aagaagagag 240
 aagataatat gattnttcag taaaggggtgg tgtgtacagg tgttctccta gggttttttgc 300
 tgctgcctat gcctttctat ttataaaatc atagatgtgt tttatagagg caaatgatct 360
 tcttaattta caaaataata taatctatac taggaaatta tctcttttagc taatataata 420
 tgtgttaatt ggtgcaatta tct 443

<210> 13162
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13162

catgagcaaa tccaattata ggctnatgtc ccatanaatg acgtccatta tcaattggng 60
 tactcatctt ccttttctct ctagagttaa acgggtgaac atttagtcac actcaatttc 120
 tcttaagcac tagccttgct gtaagcttga aaggatgatcc aattgtcact atttatcttg 180
 aatgtctgca agaatcaata ggtcttttgt tttgggttgc aagaatgcgc atnttacgta 240
 aataacaatt ttttttcaat aaaatgatgc ccttttcttt caacaacaaa taggcaaaca 300
 taaaggatca attgaaacga ctaaagtctt cactat 336

<210> 13163
 <211> 467

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13163

tgtacacag atgacgaaac tctgcaactn tgcccacana tttagtgttt ctcataatta 60
 tagacaatct attaatagaa gctgtgatgg taacatttag attccacctt agagatattg 120
 ttgtgatata ttcaatatga aaaatcatta tttggaaaga cccaaacat ttgggagtta 180
 tgtcatcata atcgctattg acataggcaa gaccaagaa ggtgcccttg atggcaaagt 240
 aagcttttct ctaaaattga aggggtgtcc attttcatct ctaagatgtc tctctctaata 300
 gtatgggggg tggtgatcaa gagagataaa gtgatgaact ctgattgaag aaattggtaa 360
 gacttgacgc aagggaagat caatcaattg ctcccgcat tgaaaatctg cgaaagatag 420
 ttcacgagcg aggcatagtg caaatgacag aagatactat atcacta 467

<210> 13164
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 13164

gtaacctcat cgtctctcac agtctttaga attgagagcc tatccaattc ttgtgttcgg 60
 actctcagcc acttatgata gccgccgatg atcccattac tgcttcccct aagctctctg 120
 tcctttcttc atgccgcac ccattgccttg cgaactcctt ggagtaccct cgcgttgtgg 180
 tcaccgaaac cccgtgcgat gaaaggcgtg atgctctcct ctgatggcac tcctctcatg 240
 gggtagccaa gctgtcttat ggcgaggacg agattataat taatacaacc tcttgttcca 300
 tcaagggaac attcgacat ccttcgcgat aagatagaat cctgattctt ccttccttct 360
 agcgagggaa caagataaca gacaccctc catgctagcc aagagttggt cccaa 415

<210> 13165
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13165

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cctatggaat taaacaaaac ttaatggctg agtgtaactg aaattgtggc aacaaaaagt 120
 caccaccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaagt 180
 tgccaattgg gcccttatta caactgaac taaacctaac taaagccctt ttagttgatt 240
 aaccataac atanttttgg tcagccaact ttacaaagat tgggccatta ttagacaga 300
 ctaaacactc tataattgaa acatagtggg gtcatttagt cctcctccat ttgggccatg 360
 atacaactca caaccttgga ctttc 385

<210> 13166
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13166

ttgacccctt gantttgatc tacctatgng acactccaga ntactcaagc tttgcggatt 60
 tggactatgc cagtgaagg atacacgtgg gtcccacaag aagctattct gatcactcta 120
 ctaagacgac tgagaaaact ggcgccaatg taaaagggtga taaagaagga gaaacccatg 180
 ttgtgactgc cattcctatt cgtgtcaatg tttatccacc agaaccgctc acaatgtgta 240
 ttaactcata tcaataacaa gaactgctgc gtatccacca gccagatatg cacaaatgcc 300
 attcctaaat caaacacaga gccttgctag cgcaacttct atgactataa cgacctttag 360
 cacacacgcc ataagacatc aacaaatatg aatttgcagg caatcgacat gtgggggtgac 420
 cccagattcc gttgtcatgt gcgcaactag atgccataat cactcaataa tcaatgcgta 480
 gcgtacaccg aaacaggggc ctcaatctca ttatttgagg aacgatcgac aactgggtgc 540
 tatcgtgaag act 553

<210> 13167
 <211> 374
 <212> DNA
 <213> Glycine max
 <400> 13167

tagcagatgc tgcagctgca agttctatgg aagagatggc gaagccatat gatccttatg 60
 ccaagaaacg caagaactta atagctcgta actcctcaat tgagaggagt cgcagttgag 120

caaatatggg tggaatatca tagcgaccca caaacatagc tcgaggagga acatcttgtc 180
 tcactctgag ctgtagcgaa gagggtagga gctccacttc aatatctcct ccatgcactc 240
 ttctctctct tcatccgcgc gtcattaata ggacatcgct gcctcaatcg tcttcttcaa 300
 cctgacgaaa tctccttgg aggtcatatt cctggactga tctgcactct gttgctgagg 360
 ctcatgatat atct 374

<210> 13168
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13168

tctcanagaa gctacgagga agcttctaga ggaagcctct taatgaatct tctagagaaa 60
 gctacatgaa gctgtctcgg taaaaacgct gccagcctt catcaattgt tggatcttct 120
 cgaaattcgg ccttaaactt cacaagacac ttgtcaatca tctgatcatt gagatctttg 180
 agaagatgtc tggagtgtgc tagaagcctc ttaatgaagc ttctagagaa aactacatga 240
 agctgcctcg gtagaaacgc tgcccagcct tcgttaaccg ttggatcttc tcgaaatttg 300
 gtttgcaact tcacaagaca cntaccata gattaaccgt tggtatcttt gagataatat 360
 ctggagtgtg ctagaagctt ccgttcccga gagcatctct tatgtaagca tttcagcctt 420
 tgctttcttg tagcttacga agaatgtcat gtcttcttct ttctcttctt cata 474

<210> 13169
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13169

tcggaagaaa gtgatgaggt acaagcccta naggcaaagc ttgaaagatc tctgnntagt 60
 caaagagaag ttcaagtcca taaccatcac agtctgaaga gagtatgatg aactaaagga 120
 cgtcaatatg gccaccgatg aagccttgga atgagaaacc aagaaggccc gaaaggaaga 180
 acacgaccaa aacaagttct gaggggcttt atagggtagc aatagtgagc tcacactctg 240
 aagaggtgaa aggaatcatc acgggtcaaa ggcgatgatc tgaaggacga gctaaaagct 300

5564

tgccttangt canaaagaaa tttgtcccaa cagttaagcg agactgaagg gaatatgtgg 360
 gccatcatcg atgagtgcaa agagaagcta aatctagcag cgactcatga gc 412

<210> 13170
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13170

agtacttgca gttgctcagc ttaggcaagc acctgagctc tgctgctcta ttnggtttat 60
 tcataaaatg ccagggttggg gttcttttaa taaactgacc tgtgaagtct gcaatgaaag 120
 attgtcctgt cggatatcat tcatatgcta gataagtagt tctctttagg ggcagtgtag 180
 ctagattact tgataaagag tagacagatg tgacatatat gatttgcatg ccaagagtct 240
 atttgattat ctgatgttga ttattctagt ctacactatt tatgcagctg ttgtagaatc 300
 attaataat actgggaaac aaatagcagc tgtacattnt attcatgcct tccagctcca 360
 agaaagcttc ctcccagtgcc cccttctgaa tgcatacctc aagaatcgaa tgagaaattc 420
 acaagttaag actggaaatg tgcgtgacat cact 454

<210> 13171
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13171

cactatcaaa ctcagcttat agactctgtt gctntnagaa gaaaggaaca agatcttatt 60
 atagaataca caactagttt tgttaaaagg agaaagacga ggaggagaaa taaatattat 120
 agtataatat tatatattta gaataatcaa ataaagccat tgagttaatt aaggataatn 180
 taatttaatt agtgtaaaag ttactctccc taccaaagt tccaatctta gaggagagtc 240
 aaaattaatt ggggagggat ttttaattctc ctccccttc cttcaaaatt ttgaactaaa 300
 caacataaat ttataaaaat ccctacctcc aaccgaacac tataatntaaa gtacatgcat 360
 ggatcacaag ggtntggtct gtactatttt cctttgctat tntaaattca gaaaacagcg 420
 agtagaatat ta 432

<210> 13172
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13172

tcgaggtcaa ccagaagaac ctanactccg cgggtgcaatc agacagaggg taaccccgcc 60
 aacaaaccat gtcaataacg taataagtnt gatccgcctg tgccacccca aaaatcacat 120
 acaaagaana agaaaacaga aaacaaaaac acgacattca ttcgaataac ctagaaaagt 180
 agcaaattca gacctcgtga aagatgcagt ccaatataga gtaggagggg tccttcttcc 240
 ttgccccgct cggcaagccg gagggaaacc gatgcagaac ggcaccgttc cgcagacggc 300
 ttatcgtcgc tccgttgac gaaacgacga aacaccgttt cccggaaggg cgagcgaaga 360
 cgaacctgan aacgatagaa aacggagttt gttaagttaa t 401

<210> 13173
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13173

aggtgtatca ccttctccca ccacctcctt atccgtgagg gagaggaacc taattntgtc 60
 caaagcctag aatgtgcaca ttattcgcca ttaacaaatc gttcaacaat taacaaaaaa 120
 tttaaagtca aggattttcc aaatgtaaac aaaaatactt tnttttaaaa aaaaaaaaaa 180
 aagcgcttac atcagaagca ttggaaatca actctctgag gaagatatcc ttgttactgt 240
 agagagaatt gatgatgata tccataagcc gcgacacttc cgcttggaac tcaaatttct 300
 ccacgttgct ctgaagagat ttcttcgaga tcgactacac ctccctttca atcgcaacaa 360
 cacgcacacg ttatacaca caataacaag agaacaagag ataaagggaa ataaaacaac 420
 gaacacctct tgatgacatt tgaatcggtg aaaggccatg aggacatca ctgatcttgt 480
 cctttacctt cgggtgatct ac 502

<210> 13174
 <211> 293
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13174

ntggataatg agttttattc aaaagttagt cgtataaagc gattaacata ctcnccaaa 60
tntacagatt tgcttgcctt caagcaaaga aagaatagtt cacttgcctc aagtgacaaa 120
gatagtggcc aatcaaaaga atatgggtgtt tgattcatca aggacatcaa ccatatgaac 180
taaatatcat ggaatgctta aatcaatcac ttctcacaag catgcaactc ttcacagata 240
ggagcacaag tattagagtc acagctgaaa taagctagta agcatgacag aaa 293

<210> 13175

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13175

tattcaagac taagatacac tacanaaaca tgtntattat gtgtngatta taaacaaaat 60
ataaaaaatga tgatgaaatg gtaatttgct acttttnttt taaaaaaaaa ataacagtaa 120
ggagtaaaaa gagcatcaaa gagggtgaga atagcacccc tctccttcgc accccttctt 180
tccttttatt nttttcacca ctaaaaggag cttgacaaat agatttttta gtcttagaaa 240
tacacgaagg gaaaaaataa tcttgataa acaataaaca ataattctac ttttaattaa 300
tatttaattct tgaagaggga taatgaatat ttattntcac cagaacaatt ttgtgagtaa 360
aaatatacat atacattatt ctactcact atcacactgt cctcttaata attcatatat 420
gtacattctg ttaatttttt c 441

<210> 13176

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13176

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agtaagagaa agatcgtaca tccgtatctc ccttgatata tcaatagaat tcttagcaag 120
ctcagctcac gacaattaga agaaggaata acacagacta acatgggcac acgcacatga 180

tggtagtaaa aggttttggc ctcaatngga ttattctaatt tatgaaaagt acgagagtaa 240
 attgaagatt tgaaaaatca caaaacagca cataactcaat tcagcangac anaaatgcat 300
 tgagtatatatt ac 312

<210> 13177
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13177

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 cgaagcccat gtggatctat ctgaatctat cagggatatt attatcgtct tccacttacg 120
 cgaggggtgg aggacgacct ggtctctcta ctgtgggacg cctatcacga tgacgaccaa 180
 cacgatgacg accatctgca tgaccacgtt cagtacgtgg acctaggaca ggaccctatc 240
 ttctccttct cacatattgc aattactatg acagacagag tgaacttggt actctatata 300
 tgactgatac ttgctccgaa aactatcccc agatgagcct gttcataaga ttgattacgc 360
 agcgtcaggc tacaatactt aatatcccgt ctactgtcta tgcatacgaa aactacgctc 420
 acgtgtgtat actactgata cttgcatatt aatagatcta gcagactcta aactgaaatc 480
 ttggctggcg aaacatacag tgtagatgcc gataggccat tattcgactt ggcataccct 540
 tcgtgacttt cacacccg 558

<210> 13178
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13178

tctttcattc attgcatata atgagactct nttatgtgtc ccttttctcc ttgaacacct 60
 tcttgaggga tatattccat tcggaccacac tcttggtgct ccactcttct tgatgttttt 120
 agatgaagga caactcatca tccttattag attcttctnt agattacca ttagaagttg 180
 tccatgctca gtgctttgga cacactttta gacgatgacc tggatgacga ttcctttgac 240
 gatggtgtgt tccttacttt ctgagcacta agagcaagtg aatttccttt cttgacttct 300

tcacatctagtt gaagttcttta ttcattggacc tttaaagttc caacaagttc ttcaagggac 360
 atggaatcaa gattctgttag cacccttaaa gctatgacct gtgatctnca ctctctagac 420
 aaacttctca agatttatca atgtgatcat agatatcata tagtcttcct atagatctta 480
 attcatttga tat 493

<210> 13179
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13179

taaggccatg ganaatagcc cacagcgcag ccatgagaat ggtacatgat cccagctntg 60
 cgganaaccc ataaatgaag gtacaaaaat tatcacaat aaccctcca caagaagcct 120
 tggcaccatg atccatcaca ctagcatcac aattaagagc cacctgtcct acatctagag 180
 cttcccatct aatgtcgtga gtcccatgaa tgctgccact gttgtcaaca agtatatcac 240
 tgcgggagtt agcagccaca caagatgtca cgaaactaga aatcctctca ataacctccg 300
 tcacattcca cttggttgcc ttaaaaatga attcattcct cctctaccaa gatatatgca 360
 acgcaattgc aaagaatggt ctccaataaa cacacctctt cacacctaaa attggacatt 420
 tggagcatgg agct 434

<210> 13180
 <211> 485
 <212> DNA
 <213> Glycine max
 <400> 13180

cgaagggaca cacacatttc ctaggcccaa agtctcttct gtttaatttt ttacctaca 60
 cctatactcg tcaactcctt cacagccaat taacatagat gtagaccttc ctctactacc 120
 tgagtttgta tacgacctta ggatcacctg cacaaattcg ttctcattag catcggatcg 180
 agcccaccag aaaacatgcc ttctggactt caacacttac aaagcaatgc acataatgga 240
 tgtgctctac caaagaatta atgcagtcac cctccacata tgcaaagccg acagagaatg 300
 tcataccaat cagtgtcatc tcaacatagt cgaacagaga gagtctaacc gggttgattt 360

gtaagagctc ggtatcagag acaccaatta catgtgttga ctagcttact acataggggt 420
gcatcaaaaag atatactatc cacgtgttca ttcttattgt gagcaacgaa atactgataa 480
cgact 485

<210> 13181
<211> 493
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13181

acactatgat actcagcttg gactcttggc aatatcttta naactagtca cttaaatagt 60
tgtgactttt cgaaaaatct tcagaaacaa gtcacttgaa gaattgtgac ttttggaat 120
ttatttttca aaatcagtca ctggtaatcg attatcatta aggtgtaatt gttacacatc 180
aacagatgtg actcttcatt ttaaattttg aaaatcaaaa cgtttagaag ctctggtaat 240
cgattacaca agtagaaaat gtttaaacad aagttgtaac tcttgaaatt tgaaatctta 300
acattntaaa aactgataa tcaattacta cttcttggtg atcgattacc agagagcaaa 360
agtctttggt aatgatgttg tgaaaacttc ttgtgctact caatgttttag acaaactttt 420
ttaatactta tcttgattga gtcttctctt gattcttgaa tattgagtct tcaatcttga 480
tcttgattat tct 493

<210> 13182
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13182

ctggtttgga attgagctag tattattaac agttatgttt tcatgagctt ttagtatga 60
tnggatttgt tgaacttatt ataccctttt ttatacatag cgttcttgct aatttatcta 120
caaatagtat tatttgaaga tcatcataca taaactntac gtctgttcaa atcatgagg 180
agtttgatca ttgaggatga catatttttg gctggtttgt aggattgaga atgacaagg 240
ggaaaactat tccatcactc atagcttcaa taagcaggaa aattggacta aatctctcat 300
gtacactctt tgcaatttga aatgggacct ctattggtgt tgtggaaata ctaacttcca 360

gccccctttca agcatggtat cttegcacatg tgaagtgcct gctgtagggt ctctgtacac 420
gaaacgtggt gttgatgccca natctgaatc tcgaa 455

<210> 13183
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13183

ntcatctagc caagattata caaagggtgtt acaagagaac ctaacgattt ctaattatat 60
gggccatcaa atctatcatg tgctgagagt aattgattag cccatgaatc tctcggggg 120
cagtgcacac ttccggccatg gcttttgctt tggctaacag acgcggggagg tcttgacttc 180
cattcatggt caaggcgaac ctatccatcc acatagtcgc ttcttgatgc aacgcacaa 240
tcacctccc tcttgcttct ttttcgacat acacttgatc aaaatcctcc actagctntt 300
gttcatgggc catggactgg ttcaattctt tcttgattg ccctatgata gctagcatgc 360
tttgc 365

<210> 13184
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13184

agagccaaca caggaaacta taanncttta tattacagca aatagtggac tagatgttgt 60
atactttctt tctggtggca aatgtgtgct aggacttggg ataactgccc tctctacctg 120
taaatttatt tcggaatatg ccttattggt ccactaaata tctgtgattt gccacttatc 180
actaagttat atatacctgc gaaaaaata aat 213

<210> 13185
<211> 224
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13185

ngctctgtgg gcttctatgg aggctggatc tccgagccca tcgaggtctc ttaatggnga 60

aaatccacca tggagatgca gcggaagaca aacgagaaga ggtgagagga ggatccatcc 120
 actaatgaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataataag 180
 cttggagagg atgcttcaat ggacgaaaag aaagagggag agaa 224

<210> 13186
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 13186

actcagcttg acctggacct tgcattgacc cttcacttat gaagtgtctt attgccttat 60
 gctcttttga tagccctcta tcattccctt cttcttgaaa agaatccatc ctcagttgtg 120
 catccaaaac acctacatca caagaagaca ggtcagcgac attgaaagta gagctcacc 180
 catactcact tggtaagtca atcttgtaag cattgtcatt aattctctca aggaccttga 240
 caggctcatc acccctatgt tggaaagtcag atttcctttg tgaaggaaat ctatgcttcc 300
 ttagatgtac ccaaatactaa tcttctgggtt caaatacca 339

<210> 13187
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13187

tgatgtgaga nagegtggaa gagtcagact tctactttt atttggtgac cacagagtgg 60
 tacctggaga tatgtcgagg gggtcaggag accttgagga catcacgtgg ggtgctattg 120
 cccaaaacca agcttggcca atcccgaccc aaccggggca tagtcagtca gtgagaacct 180
 gtgacgtacc taatcaagcg agctcctggc agtcaaccaa tgaaagatca tagtccacca 240
 agcaaggagg cttgtgtggc ggctggccag ctatctatct tgggtgttat tagaaaaata 300
 cactctggta atcgattacc atacatgggt aatctactat gaggggttaa acttgaaaca 360
 tgacgttcaa tagcttctgg gaatcgatta ccaatgg 397

<210> 13188
 <211> 373
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13188

gacactatga tactcagctg ggtgctatga catacatgat ccacctagat tggagcttca 60
tgattaaaca catactactt ccctaagtct ataaagtcaa tgaaataaca atggcagggt 120
attaagctta agctctaact ttacaactgg acaattgtag tgaagcatct aagtgaagg 180
caaaccgcat ctatcagctg ggaatttttc cccanagtat tcaagcaaga actttcttct 240
gcaagttgtc agcacacaat ancgttcanc agcaagcaat gactccataa tagctcttct 300
ttggttttcc tggtagattg gagactcaca tgttactaag agaacaggga taacttgtct 360
ccagaatata tgc 373

<210> 13189

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13189

cctctagcaa aaggtagaa agcgtgattc tccaccaaca gactctctgt aaccttcaac 60
ataaatatat atgactataa tggtttattt caatcagata cattntgctc taaggacttt 120
tccaccatta tcaaataatta tactcttaat ttctaaatgt aagtntcttt tatatatggt 180
tgatatttta aaactaattt tcttaaaaac ttaattatat aacaaaattg tgtcatacca 240
ttcattntat catactaata ctttgtcaaa taaatctttc atatatatat atatatgtgt 300
gcgtgtatat ttgaaattta ttcttcataa tgctttataa cataatctat ttaaaatcta 360
atcagacaac anattgctct ataccataga atttactata gtaatacctt tcctc 415

<210> 13190

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13190

tcgcacttga taatggagaa cacatgttca gcgctatgca atgacattca tggtagctctg 60
aaciaagggtg gagtatggag gattgccttg aggggtccgca cttangcaat catgaaactc 120

agctccaaac tcgaaagtgg aggacacatg aacagcccta agcaagaaca ttcattgtggc 180
 tccggaaaag gatgagaatg gaggattgcc ttaaggggcc tctcttatgc aatcatgaaa 240
 cacagctcca aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcatgt 300
 ggctccggaa aaggacgaga atggaggatt gccttgaggg tctctcttta tgcaatcatg 360
 gaacacaact ccatactcaa aagtggagga tacatgaaca accctaagca ataacattca 420
 tgt 423

<210> 13191
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13191

tgtaggatta tggcgtaccc atcacatgtg gtactagggtg gcggtcgagc gatgggtgcac 60
 aacaagtttt ccacatccac aaagcgcgca taaaccacc atccccgtgt gccacacctc 120
 aactgagctc acgtactccc acgtagccca tctctcttt tctctcaaca cgggggtcccc 180
 atcaatcctc ccaagctttc ccaacatcaa agcaaaacaa cattcaaaca gcacaagcta 240
 tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaaacca 300
 cagcttttct cacttaaaga cccaataac aattccttcg atccaattcg ttaaccgttg 360
 gatcgactcc aaaattttac tggaagtcta tagtacataa gcctacattt tgaccgttgg 420
 gatctactag caaacatnca gaactcattc tgtactact 459

<210> 13192
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13192

tgccaccag ctgcgccagg cgagctagggt tgcttctctc tgaagcaacc ttcttctgga 60
 ggaattttct agaaggccca agtgggtctg gttgctattt gcacccccat ttttactaaa 120
 tactccccct gctctttttt ggtgattctt tttccgtaac gttatgaaac tttacgaatt 180
 tcgtaacgat gattgttttc tttccgtaat gtagcaaaac cttacggatt acgtaatcat 240

cccccttttta ccttcaggag cgttacagaa ctttacggat tgcgcactaa cacttccttt 300
 taatntctgg catgtcacag aacttcacga attgtgctac aatactttct tttgactttc 360
 ggcatgtcac agaacttcac gaactgtcta gcgatgggtg ccaagtacct cg 412

<210> 13193
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13193

tgcctcccag ctgcccagg cgagctaggt tgcttcccc ataagacact tccttctgga 60
 gaacttcctg gaaggcccaa gtgggacctg ttgctatttg caccctctgt ttactaaata 120
 cacccttgc ctttttttgt tgattctttt tccgtaatgt tatagaactt tacgaatttc 180
 gtaacgatan ttgtttgctt tccataatgt cacgtaacct tacggattac gtaatcatct 240
 tttttttgac tctcggaatg tcacggaact tcacggattg tgtaacaatg ctntcttttg 300
 acnttccgca tgtcacggaa cttcacgga 329

<210> 13194
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13194

tgaagaggat gctntaatgg aggacaagaa agttagaacg ctggatcacg anatacaagg 60
 aataaaagat ggagagaagt ggaactatca attatgtctc acaagactct cattcatcaa 120
 agttacaaca tgtgtcacac atgcttctat ttatagacta agtagcttcc ttgataagct 180
 ttcttaagat aacttccttg agaagctttc ttgacataag tctcttgtga agcttgagct 240
 tatctactct cactcctctc aatactaagc tcacctgctt gagaaacttc cttaagaaga 300
 ttctaaaga agctagagct tagctactct tacctctcta atagctaagc tcacctcct 360
 tagatgataa gctagagc 378

<210> 13195
 <211> 233

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13195

tctgcaatgc tntaatatgt cctcgttgaa gcgcgagggg atgtcgtgga cgtagatgta 60
 gcgccccccg catgggtcgc tcttgttgtc tgcggttcgg agggcacggt cgaaggggaa 120
 agtgggtttc tccggttggg aaattttctc ggggaagccg aggtttttac gaggttggtg 180
 aagttggaga gtgatgggga ctacngngtt agggttggtg ggttgggtggc gga 233

<210> 13196
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13196

tgtattaaat gcatgtccct tcatgtaaag tctatgttga tatgttagtg tgtcttgtac 60
 ttcaacagag aagttacttc tttcatcata gcaagtctac aacaataaag cacactcttt 120
 gatgaggatc aatgtcttct agattgtgga tttcatttat tcttcatagg actttgacat 180
 atcctagaag aatgcctttt gcatgaaaga atcttagaca taagagtatt aaatgaagat 240
 tttanatgca ctacttaaatt gttatatcaa atcatcttgt gtgtgtatcg tttaaatatt 300
 tgaatgcaca gagacagatc atcatctaata aacatatcaa gaccaacat ttattattta 360
 taattatgcg catctaataa aaataatcag gagttatgat tcatcattaa gacttaacca 420
 tttcttgact taacaacact actaatcaa 449

<210> 13197
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 13197

cttgcttatg ggcagtagca cccacactga cgtcctcaag gtctcctgac ccctgcgaca 60
 tatctgcagg taccactctg tggtaacaa acataagtag gaagaccac gctttctcac 120
 atcaagctta ttggattatg gggcaccgt catatgtggt actaggtggc gatcgggcga 180
 tggtgcaaat taactctccc atttccacaa gtcaggcata agcacacat tcccagttgc 240

ccaccttaaa attgagctca cgcactccta cctagcctta tactcggtcc tttcaacaac 300
 aggtcccat caacgcctct aagctttcca atatcaaaa atcaatttca tttgtctgaa 360
 acaccctaaa caaaaaacaa g 381

<210> 13198
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13198

tgcttctaca ttggatgcct tagtctcctt tttcngtat gaattgtaga ttgattatta 60
 ttgcttgtaa gaattattga tgcatagtgg aaatctaatt caagttgtgg attagataac 120
 tggattagct tatctaaaa tagagagtga accagtataa aagattgtgt ctttttctct 180
 cttgtcaca tctttcactc attcaagggt taatcaactc attcaagttt tattcaagggt 240
 ttgaaaacat tcaagtttta tgatttttga aataaggatg ttaatgaagg atcatgtgta 300
 acgaaggatn gattaagtat tgattacata tttcatggaa tgcattcatta aaggttcttt 360
 attcca 366

<210> 13199
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13199

tatccctaga ggggatggac cttttcaggt tntggagagg attattcaaa ctcgacaagt 60
 gcatcggatc acgcaagtag tataaaacgg taagaaccga gtatcaaact ctcgngaac 120
 ttgtgttact tggtaaagct atattcattg aataggtgtc tagtattaaa agatatgtgt 180
 agactatgaa caggtatgta aactaactat taaaaggaaa atcacgtgag taatgatgtg 240
 taaagacaac tagacaacac gttggtcttc ctattaggtg cctgatttta ttaagatatt 300
 ctctacttaa caatgctcat gtgttcaatg gcgtctctg aaatgctaaa ccttgatntc 360
 tcatgatagt ctagccta at gctgatcaag catcgtctc ggatctctct tgttggacct 420
 aacttgac 428

<210> 13200
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13200

tggtactaag gaagaagttt atcatgttgt ttcctctatg atatcgtata aggcacctga 60
 acctgatggg tattagaaaa tatttttttaa gatatttttg gaaaagggtg gagatgatgt 120
 ttggagattt gttagagaag cgattcagaa ggtatgtttg atgtgtaggc tgctaagact 180
 attattgtcc taattcctaa aggtgattct caaaaaacat ttagagtgtg tttggataga 240
 gaattttaac aaaggaaagt aatttatcag agaatttana tttttctaata ctagaattca 300
 ttggttggtat gtntttttat gaagaattaa atttttggaa tcttataaccg gaatttaaac 360
 aactaaaatg tg 372

<210> 13201
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13201

ctttcagccc acgtcggana cccttccaac ccgaaactta gccagcaagg ggcacccgct 60
 caaccacaaa gggcccccgc tcaaaacccg gctactacac aacctcgcct cgctggcatt 120
 tccaaccctc cagtgaagaa gcttctggag tttgccctga ttctgttgtc gtacacagat 180
 ttgttgccat ctttgatcgc caaccaaatg gcgatgggtga cccttagaag gatttaccag 240
 tctcatttcc ctcggtgtta caaccccaac gctacctatg cttatctggc gggtagccccg 300
 gggcattcga tagaatagtg tgtggccctc aagcatgagg tccaaagttt gatcgacgc 359

<210> 13202
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 13202

ctcctacacc aggaacaact gttctagggt agcaaaggca taatcttcac ctgcttcaat 60

ggcccagagc cttttctcta gatgatccaa ccttcccatt tctgtcatag catgagggct 120
 actacatgtg ggcacacgca ctaccgcgta acccatattc tcccttctct caacaccggg 180
 tccccatcaa tctttccaaa cttccacaac attcaatcaa aacaacattc aaatagcaca 240
 agctatcaca gcccagccaa acagatcaaa tgcacaaaac tgtgcctaaa caccaaccaa 300
 aaacacagct tttctcactt aaagaccc 328

<210> 13203
 <211> 99
 <212> DNA
 <213> Glycine max

<400> 13203

tagataagat acctggctct tagtcctatc tttccatata gtacattttc ttgtctgcc 60
 tagtttatgg gatcagtagg tattactgaa attattact 99

<210> 13204
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13204

tgattcanat tagaagctaa ccacataaac taaaggatat tatgcaagct cattgtccct 60
 caaatgaata tagaattaag aggggttgcaa tgcaaattgc aagttccctt ttaggtaaaa 120
 ttatttatca tttgagtttt atccttaaaa attatgggta ctatttgaag gcttttgtac 180
 actctagttg ttattcaatt ctcttcaaaa gttaaatntt caaatgaatt agcagaagta 240
 ccttgcttct atgaagccca tacagtggac cagctaatac aagaaaccaa atttatgtga 300
 tatgggtcatg acatttacca tgggacacgt gacttcacac ttagtgtagt acatttttca 360
 tgaaattagt ttaaatcatc atatagaacg agcccttaca caacagtaaa cttgtgcctt 420
 gatattgatc atgagttcga atctg 445

<210> 13205
 <211> 360
 <212> DNA
 <213> Glycine max

[illegible]

<210>	13206
<211>	442
<212>	DNA
<213>	Glycine max

gccgactaat ttanaatcat attttttgaa cagtaaaatc taattacttt ctaaaaataac	60
atgattttatg gggttaatggt gaccctagct ccatattaat atgaattgta tggagctaag	120
gtctcatagg accattatgc aaggccaagt gggttggccc gagagcctaa gaccaaata	180
acagctttta atacagtaca agagatgatt gaaaaatagt gtaaccaatc atgctatagg	240
gaattaatag atgcatagtt gaaaccttgg atgcttagtt ggaggtag ccttgcaaac	300
aactgcttca agcattctat tcgaatcaag tttagcgcac caattgataa gttgataaac	360
tctaaacaag aatcccaaca cctttggtac tttcatgctt catccaactc tgacagttct	420
attccatata ctatcccaat ca	442

<210>	13207
<211>	413
<212>	DNA
<213>	Glycine max

tgtaggatta	tgngtacct	gtcatatgtg	gtactaggtg	gcatcgga	gatggtgcaa	60
atcaactctc	ccacatccac	aaatcacaca	cgaaccacc	atccccagtt	gccaccttc	120
aactgagctc	acgtactccc	acgtagccct	tatcctcgtc	cctctcagca	ccgggtccac	180

atcaaccctt ccaagcttcc tcaatatcca agcaattcaa tatcaaaaaca tcatgaacta 240
 ccctaaacca aaccattcaa acacaatggt agatgttaaa agttattttc atcttggttg 300
 gttgctatag ccaagaggac tegtcaaata ttattagaga atatattgct aaacaatttc 360
 taacacctat gcaactctngc gtgatccctc tatagtcaat tatatgaatc ata 413

<210> 13208
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 13208

tatattcttt acgatcaagc atctaacata acattaatat tgcgctctct agatgaaacc 60
 aacttcaa ataatcttata aattcgata cttaaaaagt ttacttggcc actacacaaa 120
 ctggatgcat aatttaacct accatcgaca ccataaaata ttctacagtt acaaaatggt 180
 ttctcaatgg gcaaaatgac ttatatccgt atgggttcca ttcttgaaa 229

<210> 13209
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 13209

ttgtgttgta tccagaacat tgcgactat ctcttttata ttagtgagag tgattctcct 60
 aacttctaga gtgattcaag aacaccctgg ctatatcaaa ggactttcac aacgcttggt 120
 tgttgccctc gccgaaaga gtgattcttt cctatctttc atatgtcagc ttgttcttct 180
 taaccatcat tacagaaaat gcaattctgc ccagaattat ctcgagccat aactcccgtc 240
 ttacgcactt aagttaagct atatttgtac ctaccttgaa tttcaag 287

<210> 13210
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 13210

taagtattta ttacctatac ttaacagaat atacttataa cactacaaa taaccataaa 60
 ttggaagagt tatatacaat ttacacaagt ttatacaca aaagttagtc gtattcaccg 120

actaacaact cccctaaatt tacagttttg cttgtcctca agcaaaaaga gaacaactca 180
 cttgtcctca agtgacaata acatgcagtg actatgtaca caggtgtatg caacaaaagt 240
 tagtgatttc atgataagag aatgaagtac aatgccctga tcacttgtca ttcac 295

<210> 13211
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13211

tagggtgatt aggtgctcct aaagtagcca aaaataagaa ctacgatgta tcataaattt 60
 agtttgcttt tgaaacagca aagaaattnt attgaatcat tatagagaca catgatttat 120
 ttcccaccac atcgtctaga gtgtttcaca gtgttagagt aattggtatt ttgtaatggg 180
 tattgtattt gtcttactct ctacagtttt tttgcttctg ttgtacccta aaaggggcta 240
 tgtatagggc aggtccctt atgcctgaac ctgtcacatc taccctttct attgtacttc 300
 atcatatatt attaataataa gtcngtgcca agtgagagaa taactcttga gcacttttga 360
 tctagacctt tcctcttttag tcacagcttc atgtaaaagt cccctacctg taatattgaa 420
 catc 424

<210> 13212
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13212

tgtcatcaag actgtcattg ctctgtggcac ttttggcact gtccatcgtg gaatttacga 60
 tggccaagat gttgcaggta tactccacta cactacactc tgttgctttg ctctcacagt 120
 tgaaaagttg agttgtcatt cgatgtgtgt ctgaatgttc tcatatatgc aactatgtgt 180
 ttcacgaaaa caaagaagaa catgcatagt ttgattttcc ctccatttat tacacctgtg 240
 tgtttgacac cacatacatg tgcaaggggg gaagatttgt ttacttggag aagttcatgt 300
 agttggctct ttcaacttac aatgtngcat aatgtgcaca tgcttccaaa actgtatgtt 360
 gat 363

<210> 13213
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13213

tggtaaanat aaagctcatt ctaacctatt tctaagct ntactgtcaa tcttatgaat 60
 catttgataa gtgctgaatt gctgattgag taagtgtta attaagctac ttacccaaac 120
 aaaccttgat tattatataa cgaatgtaat aaataaatac aaatcatata attttcctga 180
 ttactacctt tgcattgacat actgaacttt ggactaaga ctgaactcag acataatgat 240
 acacatttcg aatacaagtc ataactgata atataatgat ntacttgga cagtcataac 300
 aaaaggcttt acaagtggat ccttcataca aagcagctgc tgagtgcctg gccattgttt 360
 taacggatat tggtagaac ataaagcttg caggaaatac tcangaagga atcaaaaata 420
 ctttgaagct ctcaaaatag atccacacta tgct 454

<210> 13214
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13214

ntgagggatt ggtctttgcc agtgaaagga tcgatgtggg tctgaaaaaa tgcaattttg 60
 atcgtcctac taggacgact gaganaactg gggcaaataa agaggggtgag gatgagggag 120
 aaacccatgc tgtgactgcc attcctgtac ggccaagttt cccaccaacc caacaatata 180
 ttactcagc caataacaaa ctttctcctt acccaccacc cagttatcca caaaggccat 240
 ccctaaatct accacaaagt ctgtctaccg cacttccaat gacgaacacc accttttagca 300
 caaaccataa acaccaacca agatgtgaat tttgcagcga gaaagcctgt ataattcacc 360
 ccaaattcag tgccttatgc tgactttgct ccatatctac ttgatnattc aatg 414

<210> 13215
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13215

gggatntcct tntagtaggg aatctatcct tcctaagaat gttccaaacc cagtccccct 60
cattaagaac tagctccttt ctctctctat tgcccttagt tgaatacacc tatgtttggt 120
tctctatttg ggtcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
cttctttatg tataaaaaaa agtgtcaagt gggaggggaa tgaggtctaa ggggtttaag 240
ggattgaacc catagacaac ctcataaggg gattgctcgg gggttctatg aaccccccta 300
ttgtacgcaa attctacat 319

<210> 13216
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13216

ggcatgattt acattctccc cttttctcaa gcaaattctt cttgacatca tcaatttctt 60
catgatttaa agataaaact ttgtaagaca taaaagattt tcataaaaat aatttcagaa 120
gatgaaaaca gatattgcaa atcaaacaaa gtttttaaat aaaatcaaat tcaaacccta 180
ggtcagtga aaatagaaga gagatgaaag tagtaagaca catagattta tagtaggttt 240
gtctcaacca ctaagactac gtncatttct tagttaacca ttaagttcca ttaacttta 300
taagttacag gtattaatca ctaccacttc tagctctaca actcaggctc tacccc 356

<210> 13217
<211> 301
<212> DNA
<213> Glycine max

<400> 13217

tcggtattca atttcgatcg tctcgatgta ttacgtgact ttatcagaca tctgagtaaa 60
aacgttattg tcgtttgaat ttgctgagag cttcaacatt caatttcgag catctcgata 120
tattacggga ctcaatcaga catccgagta aaaagttatt gtcgcttgaa ttttctgaga 180
gcttcaacat tcaatttcga gcgtctcgat gtattatggg actctatcag acatctgagt 240
aaaaaagtta ttgtcgtttg aatttgccca gagctacaac attcaatttc gagcgtcttg 300

a

301

<210> 13218
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13218

tgtagccatt agaagagaat gagcatgtgg ttggaagtat gactggaaat gttagtcagt 60
 ttgtcagatt gattgtgagg gaatgcatta atcgatatcca gtgagagtgt gacccctaaa 120
 ttttgagaga aacgactatc atttagtact gatttttgcg tgaatctctg aagtatggac 180
 taaatgcatg aaattgagga tgatgaagac catgtttgat tgtgatagcc acttagccaa 240
 aaagctgacc atgtgcttga atgaattatc cttgtacct agtttgagtt gaatgaatta 300
 ttgattgatg gaaccctgag cctatacagt gttatctcct gctaccttga cttaggttgt 360
 angagagcat catccacatg aagcatgngt canagcaa at ttgtcccaaa 410

<210> 13219
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13219

gagccatcgt ctccatgctg catcagaaga ctaaganctc tcccctgacg gnggagatac 60
 gagtagtgaa gtcaaataata gcacgcatga cagtgtatg cagaaagctt aaaggatgca 120
 ccttatcctc accccacagt ggctgaaggt acccaagaca taagcgcgga gaaagagcct 180
 caaaccacag ccctgaccat ttaccagata agcccgaatg acacaagcaa tataggtttg 240
 tgtgacgaca ctctgatat aggcccaaag cctaaggaaa gctcatcaag gtgtagctcg 300
 aacccaaacc cacgcagagc atgcctgtca ggaaggacct caccaaccat gagcacaagc 360
 gcaagactaa tgtgtacac cagaacacac acccgctcgc ttgagaatca tcaaacatgc 420
 cagtgcacac cccagcctt atcatacaca g 451

<210> 13220
 <211> 331

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13220

tcttctaagg taaatanntt ccagctagag attatcttaa ctctatctct nggatcagtt 60
 acttcatgcc cactttcaag ggtttggaaa taagaactaa catgaaaatc aaaacaatat 120
 ggccctgtgt gcgttgtgag gtgtattgta tgtgactgta aatgaatgct tgaatctata 180
 aggggtgcac atatcctcta aatatgctat aaatagaagt gtgcgtgtgg cttccctatg 240
 gccttcagca catgtattaa tttatggaat caacatataa tatatacaaa gagattggac 300
 agcttttcta ctctaactag ttttatatta t 331

<210> 13221
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13221

tgaatggaaa acaacatcgc tttaggaagc attaaaaaca cgtataaccc aagcctgtgg 60
 ttgttaacaa catcgcgtta gttacaatc attcataacg ataaaaaat atacaataat 120
 ataaggtttt agtttgtgtt gaggaattag atagacacat acgtttgtgc tgcttccttc 180
 aaattttccg catcaaagta cagctacgtt tgtgttccgg ccattatcac gttagcacta 240
 tcaatgtttc actaatcaat atcaaagtgt ttataacata aggtgtgata tttataattg 300
 agtaatctat atctttctac aaatntttta agatataatc angttgtatt attatgtctt 360
 atttagttta ttataaaagt ttgtgcctac tctggaggca aggcatacaca cactttgatt 420
 gcttgggtag gcagcttcta atcctaaat 449

<210> 13222
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13222

ntagttcact acttcaagta gtgcacgatn tgcttccaga tgaaaacacg ttgccaaaaa 60

gttattatca caccaagaag atattgtgtc caatgggtat ggagtattag aagattcatg 120
 tttgccctaa tgattgcata ttgtacatac atgagnttca agatatgcac aaatgcccta 180
 ggtgaggggt atcatggtac aaagtgaagg atgatgacga gtgtagtagt gacgaaaact 240
 caaagaaggg accccaacg aaggtattgt ggcattctcc catcattcca aggtttaagc 300
 atctatttgc taatggagat taacggaaaa aaccttacat ggcattgcana tgggtgaaac 360
 tacgatggaa tacttcatca ttcggctgat tccaccaggt ggaagaagat tgattgttat 420
 atc 423

<210> 13223
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13223

tgctctanan tacattgatg tttgtattta tgggaggagg ttgtatgcca ttnttgtttt 60
 aagagtagtg tcccactggt aaaactaact ttccaaatgt ttgccttcgc aggaaatggc 120
 cccgaggaag cttgcctcaa agagggtccag gaaggacaag acagccgaag gaactagttc 180
 cgctccggag tatgacagtc accgcttttag gagcgctgta caccagcagc gcttcgaggc 240
 catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcanngacg acgagtatac 300
 tgatttccag gaggaatatag ggccgagcg gtgggcatca ctgggtactc ccatggccaa 360
 gtttgatcca gaaatagtcc ttgagtttta tgc 393

<210> 13224
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 13224

tctaagaaac agaagagaga ttcagttgaa aaacatgcgg ctgtgagatt gtcaagctgc 60
 ttgagactgg ccaagaagcc acggctcgaa ttatggtata catgatttcc atacagtcaa 120
 ggttttaaat tgcgggttgcg gtttcatcgt gtcacttgat attgtgctcg cattgcagtt 180
 gtggacccta aaaagaactt gacattgtag ccaaaatcat gggtgcaggc cgtttataaa 240
 accttgcata tgatgttttag tgctgcaact cttctatttg agaattattat accaatggct 300

tacgacatat agaattattct tctggtaatt tttctttggt agcacaggtg ctgatgtggt 360
catctgtgca tgtagaacat atta 384

<210> 13225
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13225

tagctacaca cacccttcta ataactaagc tcacctcctt gataagcttt ctgtttata 60
ttcctaaaga agttagagct tagctacaca cacaccccat gccaaaatac atganaatat 120
aaaaaaaaag tcctacaac aaagactact caaaatgcc a gaaatacaa gactaaaacc 180
ctatactact agaatgacca atatacaagg cccaaaagaa gataaaactt attctaatat 240
ttacaaagaa gagaggaccc aaccttggtc catgggctca gaaatctacc cctagggtta 300
tgagaacccc aaggccttct ttagcagctc taaccaatc ctcttgaagt cttctatctt 360
atacncttgt ngggtaggat tgcattaacg ttgaccaaac caaaccaaag agcatagaaa 420
atctatttaa at 432

<210> 13226
<211> 312
<212> DNA
<213> Glycine max

<400> 13226

aactaagcat aactgatagg gagatcacca ttcacattcc agaaaatata ggagctttta 60
tagtacagaa aatgaacagt gagagtatca ttataagaaa cagtactgct gatcagcaac 120
taacaaacta atggactaac taaccatcta acagaataaa tgcgactgaa attacggtga 180
aatgacaaac ataaaatgta ctggcttata tctaataagc aagggattga aagcgctact 240
atggataatt gcaaataatc gatgtgatca taaatgccat actatatgtg aagtgtcaac 300
attataaccc tg 312

<210> 13227
<211> 274
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13227

ctcctgaacc cttctttaca aaaattgtag aactttntg gttactctaa cgttatgctc 60
gagtggacgt tagtggcgac tcttacttat tttctcetta tgagacgaac atgctatctt 120
atatttgctt tcgtcgtacc gtactatggt aagttggcag aaccatctat aaatatgtat 180
ttattcgctt tactatgtta aaacgattga cgtttctaag atgggtcttt cacaaaaccg 240
tcttataaag tagctatact acgacgattt tctg 274

<210> 13228

<211> 333

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13228

cgaagtgaga cagtgtggaa gagacagncc gcctactttt atttgacgac catagagtgg 60
tacgtggaga tatgtcgcgt gagtcacgat accttgggga cgctccgtgg ggtgctattg 120
cccaaaacca agcttgatca atcctgaccc aaccgggga taatcagtca tggagaacct 180
gtgacgtacc taaacacgcg agtccttggg agtcaaccaa taaaagaaca aataccacaa 240
agcaaggatg cttgtgtgga ggctggccac ctatggatct tgagtgatat ctacaatatg 300
gcctctcgta atcgattacc accggtgtgt tat 333

<210> 13229

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13229

tattaagaaa atcgccgat cgttagtctg attaataatta atttgagatt tgattctctt 60
atataatgtc tcgatttaaa tttgatggat aaaaaaata cgattaaaaa taaatatttt 120
tatatactaa ccaatataat gatgaaaaag aaaactcatt aattattttt atagacgcat 180
tattgaatga catcatagat ttttatatac taagcatttt ctgatacatg tttgtctggt 240
tttttaacat attcttggca tgagccgagc caagccaaag ccaaacgagg agccacgcca 300

ctaacatctt tctcgctgaa acgacgacaa ttaanattat ctaaccttca cgccagttcg 360
ctgcatccaa cgagaacagc gcgactacaa ttaga 395

<210> 13230
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13230

tgtaatcgat tacacacata ctgtaatcga ttaccagaag atttttttca ganaacattc 60
tcaacagtca catcttttttg tgtggttctt gaatgagtat cataggccta taaatatgtg 120
acttgagaca cgaatttgat aagagttttt cagaacaaaa aggtcttatac ctcttataaa 180
gagaaatcgt tttatcctct tacaattcc ttggccaaat tacttgatgat tcaataagga 240
attatttgaa tgctcaaatt gttcaatcta tctttttcaa gagagatttc ttcttctctt 300
cttcttcatt ctg 313

<210> 13231
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13231

tatttgtaan tttttctctc tttaaaatga gaagctaggt tttatagatt atttatttat 60
ttatttaaaa gctcttaaaa ttataatgag cttatattta aagaagataa aaatagaaaa 120
ataagctctt taaaaaagct cattgaaggc gcttttgacc aacttaagtg agctcttttg 180
aaaggagcac acttcgaatc ctatctcacc ccttttttat gcttattttg tttctcacca 240
tcacactata tttggctgat atgtatatga gctgatnctt tatttgattt tcaaattgca 300
aactaattga ttctgtatat atatatatat atatatatat atacacacac ccacacacac 360
actgtcaatg ccaaaaatac aa 382

<210> 13232
<211> 359
<212> DNA
<213> Glycine max

<400> 13232

tctcccgcaa tttctataa atagggggag atgttaagta taaaatgggt cagcccctta 60
ggcacttctc tctcttttga atttgcttag gaaaattggt tccgtgaaga aaatccaagc 120
cgaggcactt ccgtaacgtt tccgtaacgt tttcgtgagt gatttcgcga aggttttcga 180
cgttcttcat tcgttctaca tcgatcttca gccttcaacg ggtaagtacc tcaaaccaag 240
cttttcaatt cattctatgt acccggtgtg gtccacattt tgtttcatgt atttttattc 300
tcgtgttcat ttacttatta taccgcttt tgatgtgctt aaaccattta ttttaagtca 359

<210> 13233

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13233

tgccatgcga ttgaggagag gttggagatc catctcaacc ctatgggtgt cagccaagc 60
acatcgacac atgagctgat cgaataatgc ctcangatta tcaggagtgt cacacnaaac 120
tagctagtat atgttaggtc ttgacgcatg cggcgcaagg atcagtcgta gtttatttac 180
acantttatg ttgaaattcg atctctatgt taggattgcc taatctaact taatggatga 240
tattaagatt gtgatcaact cgctgcctat taaagtaatt ttgaaaagt gttttttaa 300
tatgttttaa atcttaatta tcaactatact atgtataatt ataagcacct ggttgatgtc 360
gtctagatga tcgatccaat catg 384

<210> 13234

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13234

tgaacaagga aatntgtatg aagcacatga attaataaga tatgatcaat aaataaaggc 60
tcattcctag atcatagatc tattgagttc tctatttcag atcttgaatc aaaaatgtca 120
tcacacatga naatgggtgc atacttggtg actgcagttt gtttgggtcaa taatcaataa 180
tataacatct ctcagaaaga gatcgaggca aaggctcac ctgagataaa caagtgttaag 240

atcctgcata atacgtaatt ggattttact tccataacaa gcaaataaca ttttaaacct 300
 ggggagcact attacatatt tacattgcac atactgtaaa aatcctaaag gcgttcctag 360
 actatcaatg atacgaagca ataggatctt g 391

<210> 13235
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13235

ctaattctttc aaagataacc aattcaagct caaaggtaat tatgtaaagc aagattaata 60
 tgtactaaac aagcatgcct agctctaaac aatcaatata atgtcacacc tattaatat 120
 gttntggcat ctaaaatata aaaatcaaaa ctaaaaaaga tgagccttca atctacaatg 180
 cattcggttat tgtattaatt cacatgctgg ggtggcatgt cttttagggtt actactctga 240
 tctatactat tatgcattaa gatntgtacc aatatgtgcg ctcaccaaata gggatattca 300
 tttaaaatcc tttgtgttat gaaaactgaa aattaaactg ctttttatat gtactatnga 360
 aggggcanng tgaaagcgca tctatatata tatatatata tatatatata tatatatata 420
 tatatatata tatgaatggg ttaaacaact gaattgtn 458

<210> 13236
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13236

ntgagggatt ggtctttgcc aatgaaagga tcgatgtggg tctgaanaaa tgcaaattta 60
 gtcactctgc ttggacgaat gaganaactg gggcaaatga agaggggtgag aaagagggag 120
 aaacccatgc tgtgactgcc attcctatac gaccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa cctcttcctt acccaccgcc cagttatcca caaaggccat 240
 ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc accttttagca 300
 caaaccataa aacaccaaca anaatgaatt ntgcagcaaa tagcctgtag gggtcacccc 360
 aaattccggt gtcatatgct aaacttgatc ccatatccac tcanntattc aat 413

<210> 13237
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13237

tgtaatgcat gttcatacca catcttatca ccctcacctt gcccacaata tatacgcatc 60
 ttanagagta tatcttcttc attcatagaa tttgctttat ttaccaacat ccaagggttca 120
 tatacctctt tgctttttta attttgatat gaatatcctt cgatatgtcc cctgaattcc 180
 tacaatcaca atcactaatt gatttacctt ctttgtcatt ctctttcagt gcatgttgtg 240
 gtctagcctt cgatccactt ccttttagagc ttgctaattt cgagcaacca atattggcta 300
 gacaaactag tttctcatga caaatatcct atcgtggacc atatttcttg cataagaaac 360
 aaaccaagtg tacataaacc ttcatattta tggaggaaat atcactccat ga 412

<210> 13238
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13238

tgcatttgga attgcgaaag cccactcca tcattaggat ttgtacctga catctcaaac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaacactct tgccttttac cactctaatt 180
 ccccttgagt tcttaagcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaatgtttt 300
 taggcacaaa tgaaggaaat aaaattcaga atttaggaat tcaagtaaca atccttcatg 360
 caaccaatat attaccttan agagtttttt ttnttaagtt cttcaagcat gaaccattca 420
 gcccaatnnt tttttttt 438

<210> 13239
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 13239

tgtaagccta ttacagtagt gtacaaccga attctttctt ctcataaaag aaagaaggat 60
aaaggggaagg tagtggttgt tcctttaaaa attaccttct agcggagtat ttataatgta 120
tatgatctta catggtatct atttgctcta gtgagtgtat acagaacaaa gagtcatttg 180
agcaatatat ttcaccacct ccaaactgca aagttttgta tgtcccatct cattctccac 240
aaaatggtcg ggaacagttt acagcatgct tgtggatacc acatttgttc tattggagaa 300
ttcctttcta caactatgac gcgcatcaat atttgggtgc gcctcatcac ttttggtgta 358

<210> 13240

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13240

tctatataag ctgaaccatt ntatcaataa acacaagttg agttttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
attctttcct tcctatcatc tccacccttg ttctttcaaa ccacaattcc agaaaatcca 240
cctctgcca aaattatctc gtgaccataa ctcccatttc acacactcaa attaagtgat 300
tcttgagcct aaattgaatt tcaaaacgag acctttcacc tcgttttgga atcacctcat 360
ttggagccct gtagctttcc gtattgcat ttctatattt ctgtccagcc accacttaac 420
ctacg 425

<210> 13241

<211> 359

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13241

tgagatgagg aagtgttgaa gggtgaaact tcttgcttat attgttgacc acagagtggg 60
acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180

tgatgtacct aaacaggcga gtcctggca gtcaacagat aanaggaaca aagaccacaa 240
agcaaggagg cttgtggtgg ctggccagct gtgaaacttg attgatatgt gagatatgga 300
ctctggtaat cgattaccaa tggtaggtaa tcgattacaa gggcttataa atgaagaca 359

<210> 13242
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13242

tctcaaggag gtgagcttag ttacgaaagg gtgcgtgtag ttaagctcta tcttctcaag 60
gaagttttct caaagaatct tctcaaggaa gttttctcaa gaaagcttct taaggaagct 120
acctagtcta taaatagaag catgtgtaac acttggtgta actnttatga atgagagtct 180
tgtgagacac aactcanagt tcaacttttt tcccttttta tccctcaatt tcttgctcca 240
ccctctctct tttctcttcc tctttctatt cctgcattga agcatcctct ccaagctctt 300
tatgcaacgc tcactttggt ggtgaaactc cttcttccat ggcttat 347

<210> 13243
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13243

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actaaaaaaaa atttctcgg agtttttagct tatttttaaaa aaaattaatt aaacttttta 120
tcaactgtaca tgacacacat gtttaatcta gtccttgac aaaaagaaaa gatttcacaa 180
tcagtccttg tatattaagg ctaccaaacc aaattagtag ctacaactct gcagttctct 240
gctgcacat cacaatgct gaattacaaa ttgagcaca gacagaatga accaaactag 300
attgtccttc ttatntgtaa tcttcatang acatcagtag cctattatc ttattccaga 360
cattccaaaa aatctgcttg tgtaattct tttgacattc aagcttgga tggctgcaca 420
cactg 425

<210> 13244
 <211> 327
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13244

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 aaatatgaag cgaaaacgca cgtggaggga aagaagagag ttgtatatat aactgcacca 120
 aattgtcata caatgagggt tgaacgtcta agagtgttct caagaagggt gataagagag 180
 ttcacatttg tgtcactggc gacatggggt gagtaaattt cctccaaaat ctgttcacgc 240
 gacatgcatg gatagtggct cctgctcatt ctcagcattc tggaggagag acttggtaga 300
 cattgacatt attatgctca tctctcg 327

<210> 13245
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 13245

gtcttgaaat cgtacattaa cagctctaata atacaacttg agatcttctc cttctacttc 60
 tccactcatg attaaaatat ctacaagaat cgcgtagaa gtgatcgtaa ataggccata 120
 caatatcctc acacaaatac tctcacgtgt atatactaaa ttcttttcac ccgtgtgtca 180
 ctcttttttg atctttccct ctaatagttt caccactctt gccttatacc acccaacttc 240
 tacttatgaa ctctaaagta agaacatctg cggttgatga tacatgacaa taaacaacaa 300
 ggagtccatg ataactttat tgagtaagat caaccataga gcaaactgag aatagcgaat 360
 tcgacacaag ggattt 376

<210> 13246
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13246

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 ctaacttttg tgtataaaac ttgtgtaaat tgtatcaaac tcttccaatt tatgggtatt 120

ttgtagtggtt ataagtattt tctgttaagt ataggtaata aatacttagt acttccattt 180
 tgtgtgttta ataatcattt tctctcaatt tcagggttaat taggcaagct ttgaaaatgt 240
 tgtttttcat cttctcgcta agccaatctg ctggcttagc gagcgttcac taagcgcaac 300
 actcatgggc taagcgcgag gaagactcta gaagaagatg agctgtac 348

<210> 13247
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13247

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 aataagcatg gatgtttgct gctttaatta caagggaaaa atcacagtcc aaattgacaa 120
 tactctgcaa tttgcacacg tttctaaaaa tttaatgtct cacctgcaaa actgacatga 180
 aatgaanaac tcataatctc tttgttcact ttgaaaatca tcatanacgt ttgcttcttt 240
 aattacatgg gaaaaatcac agtccanatt gacaacactt tgcattatga gttg 294

<210> 13248
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13248

tccatcaggt gggtggccca tttcttcttg actcanattc ttcaagggat ggcaccaatc 60
 ctcttccaa ttcccaatat ggcaacccaa aaacaaggaa acagagacaa gcaataacca 120
 aagacaaaa aaaatgaaat gaaagctaaa ccaatggagt tttaacaaga caatttttca 180
 aggattattc aacaattaaa tcaatgaaaa ggacatagaa tcaagctatg actcaaagag 240
 aaacttagaa tggtctctaga gtagagtaaa anaacaaaaa aaaaaagact caacaaaccc 300
 ctagctttgg cacttgtttt cacagtaa ataaattgaa atttcggaac taagattagt 360
 ataacatagg caccaattat agaataattt ttgagacana acaacaagca cacttccc 418

<210> 13249
 <211> 292

<212> DNA
<213> Glycine max

<400> 13249

gacctataga aactcaagct tcacatggag ctacatcatg tggatcaga gctcaccatc 60
aataacttgt ggtgttacia tcaccaccac caccaccatc aatgtctctg ccaccatcat 120
tgtccctgcc accaccatca ttattaacia taccacctct gtcattgcca ccacaaccac 180
taccaaggtc attgcaacca ccaccacacc gccatcacca atatcgctac ctccaccacc 240
ccaccatcga cattgctacc acccccacta tcgctgccac cacctaaagt ga 292

<210> 13250
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13250

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aattgtattc attatgcgat ataatttgtt gtaaccggt actaaccaat taatattatt 120
aagtactcgt ttggttaagc aagaaaattg ttggccaac aaaaatcatt tacgcgtgca 180
gcatacatca ttgtcataat tgacaacaca taatgacatg catgcgtatt atagtttgac 240
cgcgacaaca cattggctga cttgactaca cattctgaag gaaacataat cacgaaacat 300
gttcacgcgt tgtctattat ttgtaaacia agttaagcaa tcgctcggtc acaaccatct 360
atatatatga cagacacggc taataaatca cacattatct tattttcaaa tagtctccca 420
attgatacac aaagtatgac attttt 446

<210> 13251
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13251

tganaggaaa caccactgtc gttgtgaaca atgtatccat ttggaaaaat aaaacctaatt 60
gtggagtcca caactgtctg actgcttgtc tctccaaga attccatagt tttttgtaag 120
acttgggttg atactgaaac ttgtgctttc ttacagggtt aggttgtgcc atatatatag 180

atgactntta atatcagtgc tgcatttttt taagattaaa aatacgcagc cacatgcttt 240
 ctgtatgtgt tgtcaactac acgaatgacg tgacatgctt tagcttgcat cagatctgca 300
 tgtgtagtca tgggtgtgcag ggtcctttca cgcgctttta tgtaatgcag acnnacaatt 360
 atcatacacg atttttccac atgtgtagt 389

<210> 13252
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13252

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 taaatttatg tattttttatt ttaaaattag aattctaaaa acatattcctt ttcagattga 120
 agaatgaaat tcaactaacc tgcacgaaga ataaatgatt ctcatattaca ataaattaaa 180
 ggtatacttt ttttaacaat aatacatctt ttaagttcat atttcttata attagaatca 240
 aaataataac tctctttttt ttttaatgag agagtatgtt ataaacacag acatccaata 300
 acataacaga gcagcacttt aaagtggaag acacttgctc ctaattttcc gaaagatgcc 360
 atgattctta cgtggaaaag aatatntcct ttat 394

<210> 13253
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13253

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 gttcaagcac gactttcttt ctgcttttgt tggcttgctt tgcataagctc gcatttttct 120
 tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ntagcgtgtg 180
 cgtccttatg cttaaacata gcaatgtag gcataggcaa caaatcaaga ggagtcaaag 240
 gattaaatcc atacactatc tcaaatgggtg aacaattagt tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga ggcaaacatg cttcccaaga tntaagggtt ttcttttaaaa 360
 cagtcttaag cagtgtacct aaagtcctat tgacta 396

<210> 13254
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13254

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 gtgctaagtg ttttatatga tgaaaatcct accggccaga gctaggtgcc acccaggaac 120
 ctatgggcta cgttgacttc tccctacaaa atgtcttctt tctaggttaag taccacatac 180
 aactcccaaa gtcctggaa ataaaattat tgcgtacata tntagattaa agtttctaaa 240
 tttatagttt taattttaagt taatttacag agtataaaaa tgctacttaa ctcatatttt 300
 tataaaacta agttttcatg ccaaagctnt atgtgcaaat gtatttttga gagtaatcaa 360
 acgtgtcttc aaaataagtt tatcttttaa actgaatntg ctccaacaag ccaacatagc 420
 ccatgtgtta tggct 435

<210> 13255
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13255

tatctattgt gtggctgggg gataatttaa ctctacaagc aaaatatacct actttgtatt 60
 taataagcaa tcagcagacc tttctatttc tattttttac acatttaaaa ctcaaacata 120
 taaaatatat aacaaactaa caaagataaa gacaaaaaaa aggaaatata aactcacctc 180
 acttgctgct gctgcccac atttcactct cacaacaaat aggaatcatg taccttcacg 240
 gacggatcca cataaagctc taaggagatg attgctccca ttaagatatt tttgtactt 300
 aaatatattt aataaaaaaa ttactntcca aattggggcca tatgtctaatt tcaatcacc 360
 gcacaccttt cttcagtgc tntatgatgg ggacgtcact gcagtc 406

<210> 13256
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13256

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aaaagttatt gtcgtttgaa tttgctgagt gcttcaacat tcaatttcga gcgtctcgat 120
atattacggg actcaatcag acatccgagt aaaaagttat catcgtttga atttggtcag 180
agcttcaaca ttcaatttag agcgtctcat atattacggg actcaatcag acatccgagt 240
aaaaaggtat tgcgctcga aaatcctcaa agcttcggta ttcaatttcg agcgtctcga 300
tatattatgg gactcaatta gacatccgag taaaaagtta ttggcgtttg aa 352

<210> 13257
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13257

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gccccacatt atttccatga cacagatgca aaaatgatga tttggaaact ttatgcaaaa 120
ctggatcatgc atgcacctat gtggacactc aagtgtcaaa tttttatgct catgtgatgc 180
tagggctcag gattcattcc ctctatttta gtcaacccaa tgtttccaaa atatgttctt 240
ttatccattt gtgcattcat ccgagtcct tntgggcgtt cggggaaatn tctactgcgtt 300
cacccttcgg gtgtacacac atttttttca aaaaccagct atgatcggcg aatntccan 360
agaagagttg gtagtcatct cttttcaaaa gcatgtcgng ttttcagcta aacaacttat 420
tcttggttcc ttttcc 436

<210> 13258
<211> 358
<212> DNA
<213> Glycine max

<400> 13258

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atgggaacac acaccctcc aatagctaag ctcaccgccc cccaaaatac aaaaaaaag 120
accctactac aaagactact caaaatgccc tgaaatacaa ggctaaaacc ctatactact 180

agggtaccct taacttgtag ggtaggggtgt ccttaatttg tagggtagcc tacaaaccta 240
 aaattgacca aaatacaagg ccataagat ggaaaaccta ttctaattt tacaaagata 300
 agtaggtgca tacttagccc atggacccaa attctaccct aaggctcatg agaatcct 358

<210> 13259
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13259

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 gagcaaggaa gcaaaagcct tagcttttag gaggatctta ggtttaggag tgatttctag 120
 gtttctagag gtggaggaga catccccacc actgtgtaat ctattatattt ctttgaaaat 180
 ccccttttta cttgtgaaag gtgttgccct gtgatggaag gttaaaccoc tttgttgagg 240
 aattctgttg agaacttgat gtaaattctt atcctatcta tttgaggtta tttntatgtg 300
 ttcattgctt atatctgtgc ttaattact gcatgctatt ggtctgatca tccatttgtg 360
 tgtaaagtta ggatttttat cattggaaaa ttgattaatt cttagaactg gatagagcaa 420
 ggctagataa ctaca 435

<210> 13260
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 13260

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 gaccaaagta tacgtataat ataaaattaa aaaaatgtac aaatcaaaga cagtcctaca 120
 tgtaatttca gtagatttgt aaaattaaaa atatgtacaa tataaagaca gtgaatacct 180
 gcatataatt actatacatg ctaatttttt caggttacaa ttttttgatt aaacataagc 240
 taaaattata acttgttgaa tatatatata tatatatata tatatatgta tacatatata 300
 actcaccgta atgttttgaa tttaaaaata aaatcagtaa tatattctaa gaagcctata 360
 atgacaatat 370

03443-405 404599

<210> 13261
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13261

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 atgcaaacgc acgtatcttt ctatgcnaat aaattgttta ctaatgtaaa aaggtttaat 120
 tactctgccg tccctgaact ttactaaat tctgtgatga tgtgcattnt aatatanntt 180
 ttattcaggc tangcttgat tggacttaag aaccggttca atgttgatct attattatgt 240
 aaaaccaatt ttaagattgc cagtatttan actaacaagc ataatttatt aaaattatnt 300
 taatcgatnt gaaaattatc ttttggagtt acaaaattac ttattaaatt gctatagttt 360
 cattttataa ttcattnttt aagacttaaa taatttgtaa gtcttgaact gtttgatgaa 420
 atttaatat tctctggat 439

<210> 13262
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13262

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 ctnaaagaca atggttngaa gagctcaang agcccaagag ttataactca agatgcaact 120
 atgggttga gtttatttgg atggattaca tagcatttgg tctaaagaac taattaaggc 180
 ctattttcta tttttccttt aattttcata ttttattttc atgtaataag ttcatatgac 240
 tattgacatc tttgaggcca atttttatgt ttttaggctt cccaagttat tttcatgtaa 300
 taagttcata tgactattga catctttgan ggtaaatttt atgttttttag gtttccaag 360
 ttattatagt ggtagtggg aattaattct aagtggaata atttctaggg gatgtt 416

<210> 13263
 <211> 419
 <212> DNA
 <213> Glycine max

<210>	13264
<211>	385
<212>	DNA
<213>	Glycine max

taacaacctt	aganatcaag	tgatcataaa	ttccgaaata	tatggggagt	aaacgtatat	60
acaattgttt	gttgcttgct	tgaatcttga	tttcaggtat	tgtattgtca	tcatcaaaaa	120
gggggagatt	gtagatgcaa	ttgcctttga	tgttttgatg	atgatcatga	tgatgtgtta	180
caattgatgc	aaatgggctt	ttcaagatta	aattcaagac	aatacttcaa	gattacaagt	240
cacaacatca	agatgatcac	tagaatatta	ggaaggggaat	tcctaattga	attagcanag	300
gtttggccaa	gtgatttaaa	ttaaaaaagt	gtttctcana	ggttntactc	tctggtaatc	360
gattaccaga	ggatgtaatc	gatta				385

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<223>      unsure at all n locations
<400>      13265
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5604

aaagagtagt atagaatgag ttctggatgt ttgctagtag atcccaacgg tcacaatgta 240
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 gatcgaagga attgttactg tggctcttaa gtgagaaaag ctgtgattnt ggttgatgtg 360
 ttgagcagag ttttctgcct ttgctctgtt ttgcttgct 399

<210> 13266
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 13266

cgtaaattctc cacgtgtcaa cgggcttgct agccgtgatt gacgaagggc gcagaagacg 60
 acgttagtct ctgcgtgcta tcatgctttt cgtcttacag acaacaaaaa gtttatacgg 120
 ataaccactc gggatatttc gcccgtaac gtgactcaaa agtcagaatg acagaacttg 180
 tga 183

<210> 13267
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13267

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 atagtctgtt atctgcatcc aagtgaagt ccaactatta ctctcgtttc acgagtcttg 120
 gatccaacaa attacaattc atggagcaga tcaatgttta ctgctttgag tgcaaagaat 180
 aaagttgagt tcgttgatgg aaccattaca cgcacaaccc ccttgatatc taatcatttt 240
 tatatgatgc ttggaagaga tgcaatgatg aaaccctaata ttgtggataa actnttcagc 300
 atcaacaaac tanggaacct atntaggact ctctgaa 337

<210> 13268
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13268

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 ccgctcgtca gcgtgactca natgtgagta tgacagatct tgtgatcgcg gaagatgacg 120
 taaatctccg cgtgtcaaca ggcttgtcga cgcgattgac gaaaggcgca gaagacaacg 180
 ttagtctctg cgtgctatta agcttttcgt cttacagacc gccaaattaa tgtttatacc 240
 gataaccact ctggtatata cgctcatcag cgtgactcac atgtgagtat gacacatctt 300
 gtgagc 306

<210> 13269
 <211> 589
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13269

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 cgaccaggg atgctctaga ggcgaccgc aagcatgcaa gcaagagatg gtctaattctg 180
 catattgcat taagcgcggg agcaagtcac ggaagtatag gccacgaaaa tggtaaccaa 240
 gagcaagaga agacaaagac cccacaaaga atgaatgaaa caacgacagc caatagattc 300
 gataacgatc ggaagaagaa cctatatgta tgaacaaac gcaagaacaa gtaatcaggg 360
 cctaattatg actgatggca ggcataaagg aatcgacat cctaattgac ctccggagaa 420
 gacatacaat atggacccta aaaggcaacg aaaataccag cgaaagaaat gacgctgaat 480
 ggaaggcata ctggaacata cggcacaacc attggccatg acctacacac acgaagaaaa 540
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<210> 13270
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 13270

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gacacaaaac agccacatga ctgaccggaa ggcgaccgac atacgaaaaa agagggcgaca 420
 gcgcagacag agagacaaaa acaggaaacg gccgcaccgc ggacaacacc gcaaagaacc 480
 agaaagagcg agggcgacac aaccagaaca acagaacagg agcgccaaga ctacagaaga 540
 aaacagaaag gaaaaaagag acaccacgcg caaaacaagg acgatcaagc aaggagacga 600
 aac 603

<210> 13273
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13273

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 catatcctta aggaattttg gagctttgga attgttttgg gaataagtgt gggggggttct 180
 tgtatcattg gacaacttgt tttgttggt atgcttcatt atgtaatttg ggccatactt 240
 gatgtacatt gtatattggt taaatgttgg acatgctgaa tgaaatgttg tttctcaaag 300
 gctatagagt aaaaaaaaaa tataatcgga aaataaaaat cgaacaaaag aaaaagaaag 360
 gcaatatagt tgagtgaata agatcttaaa t 391

<210> 13274
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 13274

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 atctcctcac atgtcttggt ctaaagtgtt ttaacatgat tctttagagt ttccaccgat 180
 taaacttgct atagaaacta gatttgattt tctatgggtc acaattgttg ttcttggtct 240
 tgaaccatat attgtgtcga gtttacgtac ctttgagatt tgtcttgta tattctttgg 300
 ctgaaaccta aaccataaaa ttcttacaaa tatattaaag tataagaaaa cctcaataat 360

ctagagtgc ttgttcacct attgcaagtt tgtcat

396

<210> 13275
<211> 320
<212> DNA
<213> Glycine max

<400> 13275

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agattgtcag attgattgtg aaggaatgca ttaaccatat cccaatgaga gtgtgatctt 120
taaattttga gagaaacgaa tgtcatttag tactgatatt tgcgtgaatc tctgaagtat 180
ggactgactg catgaaattg atgatgatga agcccatgtt tgattgtgat agccacttta 240
tccaacaagt ctaccatgtg attgaacgga atatccctag tacttcattt tgagctaaat 300
gaattattga gtgattgaac 320

<210> 13276
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13276

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tttgtttgtg ctagcacgct tagtgcaact atggaccgct cagcgtgcat tagtggtatt 180
cggcttagcg cgtgcgtttc tcacttagtg gatggactga agtggtgctc ttagcgggat 240
gaccttcgc tcagcgcata tgcacaactc atccttcttc cagattcttc ctcgtaaccg 300
gngagtgttg tgctcagtgg atggctcact aagccagaag attggcttag cgagcggatg 360
ataatcaaca cttcacaac tttctaaatt aacctaaaat taagaggaaa tggttattaa 420

<210> 13277
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13277

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 atagtaattc ggcaatagga aatggcctaa gagcatatcc cttgtcggng aaccagacaa 180
 taaacataat gcttgcttaa atgagatatg cttataagaa catccaagaa agaaaagcta 240
 atgccaaatg tgactgaatt gcttacaaga attatgccta ttctgctaac atgaccatga 300
 ataccaa at gctacaagaa gcgggacacc ttgcatgtca tcagtaagct caactgagat 360
 tctacgataa atcacatggg anaactatct ttaagcagaa ctcagcaaag 410

<210> 13278
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13278

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 acaaatattg aacatcagtt acaagaggaa cctcttccc tggcccagcg tgacccctgt 120
 ccccatccct atccctcacc actaatnttt ttttctgtta cttacgtgat tgggaacaga 180
 tacatcggtta tatgatagca agctatgcat atcaaagctt gagtcacatt tgaggggtat 240
 cccaatcaaa cctgcgctgt gaatagacct cataatcaat tggcctagta tcaacaacgt 300
 aatcaactgt gtgaatgcc tncaaaagag ttgggtgaaa actatcatta cttgaaggca 360
 gtaatttata cagcactaat aattcaagag tgaatatagc 400

<210> 13279
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13279

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 gatgggtnta agtgtttaaa tagtgtataa atgattacta atggatgcta ccaagtttat 120
 aacattatgt aaagaaaaaa ctaaaaattg aatgtgttta gggctctgaa aagctttgtt 180
 tttttgtgta aaatgtaagt gttgctcaca aaaacagttt gaataaaaaa ggttgataaa 240

catagggaaa attgctgtaa aagtggaccc aatgagcaac caaaaacatt gaaaaatcta 300
 atattaaatt cttttctagt tttttaagag actcattntt cacacaatct ttactacgtg 360
 tgggtataag gactcaagct tgtaacaccc cgacgaatta caccaaaaag agaaggatct 420
 ggagtctgtg tatgta 436

<210> 13280
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13280

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 gtttttttagg gaaaaacacc ataactaaac gcgccgcaag ggatccctat cgcaccagat 120
 ccaaacttag aacgatgggt gatcaagaag agacgcatga acagatgaca gtcgacatgt 180
 cggtcttgaa agaacaaatg gcctccatga tggaggccat gttangtatt gaacaactca 240
 tgga 244

<210> 13281
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13281

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 tcacaaactt tgtcgaatgc tattgctact ctagaacaat gatctttagt taatctacac 120
 tcaactgtaa ttccatcata taattacctt gcaaacccta aaatcagaga acattgagtt 180
 tgttgtagct ccatatgaag tagatgctca gttagcgac atgtgtcaac ttggagtaga 240
 aaatgggtgga gttgtagcgg tgatcacaca agatagtgat ctaatagcat atggttgtcc 300
 agctataaga actcctccaa tactgtcata tcgtgcatga aggtttactg gtcttttgat 360
 atctngatat atatactatn tcactatta 389

<210> 13282
 <211> 430
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13282

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ttattacagc taggctatgt aacaagagct actctttttc ctaccttgac tttttatcca 120
tataaaaata tgaaggTTTT tgccgagaag gttttaatga gacctcatcc tacaaatatt 180
atcaatgaag aaatattttca acaatcacac ttatgtcatt atattactcc tttnttaata 240
ttgttcccc tagaataccc tctttggcta aggttaaact tcattaatca taattagtag 300
ttccctcctg aataccctgt tgaactaagg tttaacttcc ttaatcataa ttaatagttc 360
cttcttaaaa actctcttcg gctaagggtta aacttcataa taatcataat taacagtntg 420
aattttcaac 430

<210> 13283

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13283

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ttcacctgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgggggca agtaaatttt ctcccatca gaccttgat gcaactgtgc tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccataccttcg tcttgecttg aatgttaagg 240
agcgtcccaa taacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagagaa tggacctctt cttcatatgc 360
aactctgact tttatccttc ttttgngtct tcccaaatac agtggttcagg tgttgaaccc 420
gctgatat 428

<210> 13284

<211> 266

<212> DNA

<213> Glycine max

<400> 13284

tgttttaaag atgaggcata ggtatagaat gtcttaaact atcgcttcgc gtgtttatat 60
 acatcttagt cttttatcat gcatactgat tgatgagatc tgaggcgggt gaagctttct 120
 tattctctaa gtacgtaaga acttacttct actcgaactt tggctaccaa catcgatata 180
 attgattgcc tcgtttgcta atcgaatgac caagtcaatc tcagacatag gaaggatcta 240
 taccttatga taatctatta ccccat 266

<210> 13285
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13285

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 tcccactcca agtaggctc cagatcattc tttcctttaa atggaggaat gttgagtnta 120
 ataccatcca ttcggttacc gctaggaaca ccatcattcc ctcttggtgct cctttcttct 180
 tcattatgat ctctattctc catttgagcc aacctctcat ggagcgcac atcttgatgt 240
 ttcattaacc tctccaaatg ttgcatcaaa gcttgcatc ggaattgcc gagccccact 300
 catctttatg attatacctg aatctcaaca aacaatcaac cttacacaca atatagtgt 360
 gttgaatcct ccccatcaga gatcacacat tatg 394

<210> 13286
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 13286

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 atgaactgag ttacatgtaa ttcaaaaatg ttattgaacc atgggtgacg tattgattgt 120
 taaacaatgg atcatataga caagatggac tacaaccttt gtcatttagt ccaattctct 180
 tatcttctct tctatattgg tcatccaatc ttctgtaatt tgggtggagca cccattcgtg 240
 tagaaaggaa cgtccactct agtgggttcat taacatatgt tgtgttgaaa ttgctactat 300
 tatctattgt aacatgtttt cagtttagaca attaggtgtt gtccgcttta taaggagctt 360
 agtattctac gattagagat cttgacatca 390

<210> 13287
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13287

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 aagagatttg gtacagacaa agagcaactc cttgcaagtt tccagttaaa gagatacatg 120
 aattaatcga atacacactc taataagagg atgtagaggt tgtgcaagta tgagagtgtg 180
 tagtggaaga taaagatcat ggaaggcctc caaganatgt agaaagacct aagatgaaga 240
 atcctttaat tagactaaaa gaacttgtga atgggatgat tttagagaac aaccccatgg 300
 ttgggctgga aataccaaag agtggaagag taaagagtcc aaaggagaat tataggttat 360
 caacacatta catggtcaag cctaaaatgg aagaaaatag tccatggtgg tgcagtgtga 420
 a 421

<210> 13288
 <211> 418
 <212> DNA
 <213> Glycine max

 <400> 13288

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 ccggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
 tctgtccttt cttcacgccg catcccatgc cttgcaaact ccttgagta cctttgcatt 180
 ggggtcactg aaaccccggtg taatgaaagg cgtgatgctt ttgtctaata gcgctcctct 240
 catggggtag ccaagctgtc ttatggcgag gacatgatta taatttatac aacccttgt 300
 tcccattaag ggaacatgaa gatagaatct tgattcttcc ttccttctag tgaggaacc 360
 aattaacaga cgccctctat tgctagccaa gagttggtcc caattcgact atctttct 418

<210> 13289
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13289

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agcttgtaca gttaaatata ccaagggtgct gtgctgaaat aagactaaca atntgtgcat   60
aagcttagac gagcccttgc agttcataat cagtattttg tagatgtcta cttgcgcatg  120
catatactat agttaaacta ttatacagat gatgggcata aacttattga agcctaaaga  180
taaagagtat actgagtgcc tgnngtggtga tgtgctaggc taanagcacg gaatttggtg  240
cccttgGCCa agttgtttta gttcacttaa cctgggttga cagtgcataa acaagtcttt  300
actcatttaa gaaattatta caatgtgtat atgctagtta atatcttgag ggtttcgggc  360
ttcccaatac aagaataaag aatcagctgg taaacttgat                               400
  
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<210> 13290
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 13290

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agcttatctc gttgaacgaa agacatccta taagtacatt gcataaggta catgcatcaa   60
ttaataggta ttttatcatt atggactttg aacttttctc gtctccgaaa gtggtcaata  120
agtgaacata tcctatattt tcatttggtt ctacagcaaag tctatcagtt cctctgggaa  180
tggtcaata tagctttcca taatgcccac ctgtttaagg aggactagta gaggatatca  240
accgagttcc cattgtcgag taggaccttg cacactagga agtttgccac ctatatcttg  300
atgaccatcg gatcattgtg acatctttca atgtccccga aatcctcgat tgtgaaaata  360
ataggcggca tgcttctaaa gacctatttc tcatctt                               397
  
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<210> 13291
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13291

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agcttaatcc cttgaaaatt gagggtagga gatttgcctt ggattcatct agggactact   60
ttccttagca cccttatgtt caatacatc gataaataaa aatagttttt tttttgctat  120
atgcatgaga gtttcaatgc tagttgtcac acaaagtgtat tacacaaaag tacctatcac  180
  
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ataaagagtg gctatgcaat ttagaatgca tcaagaagtt ttagattgtg tggctacatt 240
ctttggaacc aaaggcaatg catcgaanaa ttactacata cccatatcta acgggaattt 300
ctattttctt gggtggctnt tctgaggag acgtcaccac atgttatgca ggatggtgga 360
agcagtcaat attgtatcat tatcatgaat ttgcanagaa tattactcgg tgaaagagct 420
gtatatacaa tgatg 435

<210> 13292
<211> 184
<212> DNA
<213> Glycine max

<400> 13292

actgggatag attctgaata gtttgccagc cgttttggat ggctatcttt atttaaagga 60
atctgtccct catattgtat gcacaaaatt aatttgaag ctgattacaa gctcgtgaga 120
caaccttcaa gaatgcttaa tcctagtatg aaagaagaag taagaaagga agtcctcatg 180
ttgc 184

<210> 13293
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13293

agctngagat gaggaagtgt tgaagggtga aacttctgc ttttattgtt gaccacagag 60
tggtagctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
caciaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
gtggcctctg gtaatcgatt accaaggcgg ggtaatcgat tacaaggctt aaaaatgaag 360
acagggggct aagatgggtct ctggtaatcg attaccat 398

<210> 13294
<211> 428
<212> DNA
<213> Glycine max

<400> 13294

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tgaacgaaac tcagttttaag ttagtctaaa cctaagaggg ctgtctaaat tgggtgtagt 120
cttaaagtag ggatctacgg acgaagcctg gatattcagc ctgacgaggg atcgaggggt 180
tagtaattta ggctacaaca tagaacacaa gagcatgatt gattagagaa atatatttat 240
atgcatcggc ttgtttgtta gaaagaccca acatatctac ctattgttgt cattttatag 300
tgtttagcat acaagtttag tttaaattct atttgaaatt atcgcttata catgttctct 360
caacaatgct tcgattctga acttaattca ggctaacatt agtccctgt gttcgatact 420
cggattca 428

<210> 13295

<211> 314

<212> DNA

<213> Glycine max

<400> 13295

agcttctgtt ttcaattacg agcgtctcga tatattatgg gactgaatcg cacatccgag 60
tcaaaagtta atttcgtttg aatttgctta gagcttatgt tttcaattac gagcgtctcg 120
atatactacg ggacacagat cgacctgcga gtccaaagtt attggcgatg acatttgctc 180
agggttctg ttttcaatta cgagcgtctc gatagattac gggactcaat cggagatccg 240
tgtaaaaaga tattgtcgtg tgaatattct cagagcttca gttttcaata ccaagcgtct 300
cgatatacta cggg 314

<210> 13296

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13296

aggcgaatca gctcgtactc gagatactct gagtgacctg ctgcatgcaa gctntaccat 60
cagaatttac atatgttca ttaacagaaa ttaccatcca cttaaagtta gcaatgagcc 120
attaacctac gaaattaaaa gaacttaaat ggttgagtgt aattgaaatt gtggcaacca 180

aaagtcaccc cgaagttgat gcctaagctg ccaattacgc ccttattaca acttagacta 240
aaccaaatcg tcttagaata tgatacagtg acattntntt aattaaaaca atgaacattg 300
ttttttacta cacacattat aagatnggta tcaataactg tcttagaatg tcattgggtg 360
gcagtgttga attatgggga atg 383

<210> 13297
<211> 422
<212> DNA
<213> Glycine max

<400> 13297

acagtgtga tgctgactat acctacccat cctgtagctc ttgtacagcc tgtccaccct 60
cagactatga tccacagcta tatctaagtc tctgatgcc aactgacgtt ggatggcata 120
tcatttaatt ttatggtttc cgaacctaga attgctagct cagattacat tcagaagcat 180
gctactaaca gcccatagaa tctccagcac tgactagatc agagctgaaa gacgaactct 240
gaattgtaag cctcaggatg ctaggcgtca gacactctaa tcacagtcta ctataacact 300
agagatctac cggtccgtt catctaata tctgtctgcc gattcatgtt ccctctgata 360
ttagaagccg aatatctaca cgccaattac tctgagcttg atgaagatag aacacaactc 420
cg 422

<210> 13298
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13298

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aagcccgttg acacgcagag atttatgtca tcttccgcgc ttacaagatc tgtcatactg 120
agttttgagt cacgctgacg ggcggaaata cccgagtggg tatccgtata aactttntgt 180
tgtctgtaag acgaaaagcc tgatagcacg cagagactaa cgtcgtcttc tgcgcccttc 240
gtcaatcgcg gccgacaagc ccgtttacac gcggtgattt acgtcatctt ccgtgctcac 300
aagatctgtc atactgactt ntgagtcacg ctgacgggcg gaaatacccg agtgtgtatc 360
cgtataaact ntttgcattc tgtaagacga aaagcttgat aacacgcaga gactaacgctc 420

<210> 13299
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13299

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 aagggtcacc cacacaacca cttttctcct catcatcgct cgctcaatcg aggtcttctc 180
 gatttccttc tctacaacac aacacaacac aacgctctct tctcttctct tgcaaccaa 240
 ttacaacttg ttccactctc tactactcta taaggtaagc ctttcttttc cttctttcac 300
 tcactcatac ataaaaactt ttcattctcg cttcttttcg gtggctcttc ttctgngtag 360
 atccaagttt caaactttct ttggttatgg atttggtccc gaccaccct ttcttc 416

<210> 13300
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 13300

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 ggtataatgt ttacttattt gtaagaagag ccttagtagc aactttccaa atcacaattc 180
 tacaaggtgt tcatgtgtcc aagaaaagtt tatttctaaa ttacaatatg tcagtatgaa 240
 ttcatgatat catataaatt tgatactcac ataaagttaa gagtgaatgt ttgaaagtta 300
 gcggttagct tatttatggt cagatttggt ctgaaacctt ctaagacatc atcttataat 360
 tgttactttg aatattttaa caataaatat aacacctttt gactgccc 408

<210> 13301
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13301

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 tgtattgtca tcatcaaaaa gggggagatt gtagatgcaa ttggctntga tgttntgatg 180
 atgatcatga taatgtgttg caattgatgc aaatgggctt ttcaagatta aaattcaaga 240
 caatacttca agattacaag gcacaacatc aagatgatca ctagaatatt angaagggaa 300
 ttcctaattg aattagcaaa ggtttggcca agtgaattan aataaaaagt ggttttcaaa 360
 ggttttactc tctggtaatc gattaccaga ggatgt 396

<210> 13302
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13302

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 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcaccact 120
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgctt ttaccactct 180
 aattccccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt caggtaaggc tagagagaca aggaaaagg taaccaagaa aaaggctaac 300
 aatgtattga ataatatgtg gatgatgtcc attangaaat gtcg 344

<210> 13303
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 13303

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 atttatcgct taacttaaaa ataaaataaa tttccaccga acgtttgaat tgtattatcc 180
 gttaactgcg gttaaaataa attccgaccg ttggtcgtg ccgtaaccac gttggaaatc 240
 aaaaagaggt aaaaataat ataataatca aaaagacatc ttttagtaaa ataaagcgga 300

aatcaatcg gacgttgtct ctctgggatg tctcattctt aatcgaattg attaataact 360
 aaagtgaac taaaggctaa aatcaattcg cctagtcaag ctcgccccat aaaat 415

<210> 13304
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13304

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 tatcagatac tatactagat ggctcaccct ataatctaac aatctcactt atatacaggg 120
 aagtcaactt ctccaaggaa aatctgatat taataagaat gaagtcagca gacttggtca 180
 gtctatcaac aataacccaa atagaatcta aacctctagg ggttctaggt agtcctacca 240
 caaaatccat ggaaatactg tctcacttcc actanggtat ctctaaagat agtaactttc 300
 ctgaaagtct ctgatgttct atcttagcct tctgacagat taggcatgca tacacaaact 360
 cactaacctc tctcttcata ttgnngccac caaacatcat ctttaaactcc tgatacatct 420
 tgt 423

<210> 13305
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13305

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 atagaacaat tatgacctct ccagcaacag gtacaatcat ggggtggagga atcatcctaa 120
 ccttagatgg tcgaatcctt cacaacagcc gcaacaacaa ccttattttc aaaatgttgc 180
 tggcccaagc agaccatacg ttctgtccacc aatccagcag caacaacagc aacagccgca 240
 gaaacagcaa acagttgagg ctctctcgta accttccctt gaagaacttg tgaggcaaat 300
 gactatgcaa aacatgcagt ttcaacaaga gaccagagct tccattcaga gcttaactaa 360
 tcagatggga caattggcta cacagttaaa tcaacaacag ttccagaatt ttgacaaatt 420
 gcctttctcaa tctg 434

<210> 13306
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13306

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgatgtg gatgatttct 120
 ccagatttac ctgcgtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
 agttgagtct aacacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcactc 300
 atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaacg aataatatga 360
 ctttgcaaga tgctgctatg gtcatgctnc atgcanaga acttcctat aatctct 417

<210> 13307
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13307

gcttgatga cttgagaagt ttcttcacag gtgtttcttt tatacttctc accgatttgc 60
 ttccaacgaa tntaattcta tctaaaaaaa tcttcgggtc gtataaatgt tccttttctt 120
 tgcttgctta tgattatggg tgttcataca ccgatttggg gttatatatc tatatatgta 180
 tatatatata acaacaacca ttctttctct gctgaacgtc ttcttttctc tctttgatat 240
 gatgaaacgc actaccttgc tgatatgttg tatttcaata tttggggatc agttctggtc 300
 atatattggt tgatggatct tgaaatgtta acatatctct ttatatattac gtttaacaca 360
 atgtcatgtg atttcaacct gctgaaagac atgcatgaca 400

<210> 13308
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13308

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 cgatcatttg cgttgtaatc tcatttaatc actgttaaaa caaaatctaa ccgatcgttc 120
 acgctgtaac ctcaagttaa caaaataaaa gcaaaataat aataaaataa tcaaaatata 180
 ttgaaaaaaa ataataaaat aatcaaaata tctttgaata aaataatcaa aaaaatcaat 240
 cggacatttt tctttggaag tttccttgga tcaattaact aataaccaa gtgaaactaa 300
 ggctaaaatc aatntacaaa tcatagtttg tccgtaaaaa tactaaaag accatttaag 360
 gtccaacgcc ttagacgggc ctctntgctt atatcggtta acatggaccg ttcaaaagca 420
 t 421

<210> 13309
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13309

agcttgatt taanaatggt ntanaaatac ttttaattaa tatttgaatn tttattcctt 60
 tattaatata tatgtgaggg gtagaggggtg tcacaataac cacacgcagt gggtacatag 120
 attgtatggt ttagttttgt tttgctattg cctgttggtt gtggcatttg aggaagggag 180
 gactcaccct tgcaaccacc attttagggg gaggtcatgg agcatccaca gaggatgttc 240
 acttgatca atagctaccg ctacaactac acgatggagg aagaagcgct cctccacaca 300
 cactttgggt acatctgggt ccactntntg ttgttagatg agcctangat accatcgatc 360
 accgtagaga cacacactac gtatcacttg taggtcttgg taatgacaac tc 412

<210> 13310
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13310

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 aataataaat ccttaaaatt agaaatgaaa aatgaatta aatctataag gttgactcat 120
 ttaacctact aaatggagtg agttggaatt tccaaccact ctcaaaacta gactcaatct 180

agcttttttt ttttgggaag gtattggttg aatctattga aacaaaactc tttttagaag 240
 ctttaagtttt aatgataaca aacttttaag aagtaaatta taagttatct aaagagatgg 300
 tttgctttga gatgtgtttt aataagacag aacttgatca taagcataaa gaaaggtgtg 360
 aagccttttag aatggaaagt cttttanaca tagattcttc ctattaaaaa taggactacc 420
 a 421

<210> 13311
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13311

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 tattagatga tagttgatag ttgatagttt tagagaatta ttttagaaag aagactatgt 120
 cattgatttt ttggatgatc aattacaaca taccaattgc ctatttatag gctcaagtca 180
 ccaacctctc aatggcggtg aatgtttcta cattacttta ggtctttcta gagttttcat 240
 gatagtacta gattcttcta tcttatacat acacttatag ttctagattg ttctatcata 300
 tttatacaca ttatagttct agattgttct accatattca tacacactat atttaagaat 360
 attctagana tttatagcaa tttcaacact cctccttgat gcanatttct gtgactccga 420

<210> 13312
 <211> 400
 <212> DNA
 <213> Glycine max
 <400> 13312

agctctacat cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
 ttaacctagg gaattaaaaa aaacttaatg gctgagtgtg actgaaattg tggcaaccaa 120
 aagtcacccc caacagccaa caagtcagcc accatttggg ctcccaaaag gctgatgcct 180
 atgttgccaa ttgggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240
 gattaaccca aaacatattg ttggtcagcc aactttacaa ggattggggc attatttaga 300
 caaactaaac actctaaaat cgagacaagg tgggtgcatt tagtcctcct ccattagggc 360

catgatataca ctcacaacct tggacttttc tccttgaaac

400

<210> 13313
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13313

agcttgtcct taaattcagt taagagcaac gcaaagctca cattatctgc ttcaactcct 60
aaacaatcca aaatttttgg cttctgggtt tatgtcaata catcaaaatc ttatgtttta 120
cttgtgtcat catgtaatgc ttcctctact attgattcca taaaacagaa aaaaaaacac 180
taaaaaatga aacctaatat catcaacaac ataaaccaa atttttggct gctgggtttg 240
tgccattcc ccacatttga tcttcgatga tccaatctac aaatctcccc cccgcccccc 300
ataaaaatga ataaaagaaa gaaaataaaa gaaacttcag aaaccagttc agaaagaana 360
aagcgctaaa tttaaaatcc aattgaaaaa ttaaatatga agaaaaatga 410

<210> 13314
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13314

agcttcccgt cagtgttaat ggcggcacc acgtcggana gagaccctgc atgttatttg 60
tttagaaacg aacccccctt ggtaaattgt ttgtaaaaca agccctgtac ggtaaatttg 120
ccgtgctttg aactatttca taacaaataa atgaattaaa caaaaacacg tgtggtaacc 180
ttcttttcag tctaggactc taaggagacc actctttttt ccccttccta gtnggatttg 240
ttgctctcga ccaaagcaga aaagtaaagc tgaatgggga ataaggaagc agtataataa 300
ggaatcaaaa ccaattcttc acatcacatc cattgggtnt tttttttnt tgcctttcg 360
ttgggttaaga attagatatt acatcccttt gtttgtagtt aaaaaataat ttttaatt 417

<210> 13315
<211> 319
<212> DNA
<213> Glycine max

<400> 13315

aatcaatggt ggggggtggt gatagatgca caagaactta ggttcaattg tcgtctcttc 60
cactatgaga ttgaatgtct gatttgagt gatgcaagtt cttgttactt catcctcact 120
aataaatctc acagtagcac gcacactgaa agctcacgtg tactctctgt tattgcctga 180
gacaattggt agtcgatgaa tacaactagc ttctgtgtat aaaacatgtg taaattgaat 240
caaacctcca ccatatatgg atgctttgta ggattataaa tactttttgt taagtacttg 300
taatagacac ttaatactt 319

<210> 13316

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13316

agctttacat actcgcttag atctctttct gaaacgcgtc tcgaactcgg acctccaccc 60
ggccgagtca aaggccgagt tcgagtccaa cgcgctgcaa ggccctgttg tctcggaac 120
gagtcangga agcggcgagt acttctctcg agtcggaatc ggaaagccac cgagtcaagc 180
ctacgtgggt ctcgacaccg gaagcgacgt gagctggatc caatgcgcgc cgtgctccga 240
atgctaccaa caatcgatc caatcttoga cccgatttcg tcgaattcgt actctccgat 300
ccgctgcgac gagccgcagt gttagtcact gtacctctcc gagtgccgca acagcacgtg 360
cctctacgaa gtcttctacg gtgacggatt ctacacc 397

<210> 13317

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13317

agctntgatc aaaatctaac gacaataact ttntactcga atgtccgatt gtctcccatt 60
gtatatcgag acgttaaata ttcagaatag aagctctgag caaaatctaa cgacaataac 120
tttttactcg gatgtccgat tgtgtcctgt agtatatcaa gactctcgaa attcagaact 180
gaagctctaa gcaaaatcaa atgacaaaaa aattttactc ggatgttcga atgaatcccc 240

taatatatgg agacgctcgt atttgaaaac ggaagctctg agcaatatca aacgacaata 300
 actttntact cggatgtctg attgtgtccc atagtatatc gagactctcg aaattcataa 360
 cagaagctct gagcaaaatc aaacgacaat anattttaac tcggatgttc gaatgtgtcc 420
 cgtagtatat ct 432

<210> 13318
 <211> 191
 <212> DNA
 <213> Glycine max

<400> 13318

gccggagagg tcgatgatag ataagaacta cgggactcga atatgttatg ggagattgtg 60
 tttttacatg gagtactatt atacaagaca ttgtgacact ttttacttgt gatgacgagt 120
 atgtagctgc aacttcttgc gcatgttatg ccgttaggct tagaacatag ttggacgaac 180
 tatagttgtt g 191

<210> 13319
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13319

cccaccgcac ccccaatact tatgtgagta ttaacaatgg tgtaccccat tntaattcag 60
 gatttggnng cgtttgaagc tgtgagacat gaaancaggc gaacactagc cccgggatgc 120
 attaagacgg ctgcagtctg ttagctntta ttataataac tgactcacca tatakctaga 180
 cgctaggtga gaacgacaat ccttaccctt tgtagcaaat aacaagagga caatgaccat 240
 atcccatcat agacgaagcg aaaaaacaag agagatagat aatatccgat caaaggaaga 300
 aagagaggaa aggaaattcc catatagaga gtggggagaag aacaaaataa aaggaaacaa 360
 ggaaccgagc tcttggcaat gatcaaagaa aacaatgaaa taacaataag gttatgggca 420
 tacaaaatcg aacaattcga tagtaccaaa gaacaaaaaa gatatggagc catacctaga 480
 gtggcatctc ctatgatacc acaatatctg gcgaagaaat atacctttgc gatagaaaaa 540

<210> 13320
 <211> 91

<212> DNA
<213> Glycine max

<400> 13320

atcttacagc gacgcagctg ccgctttttg gagctaggct ttgctcactc actcgggtca 60
taggtaagct cgatctcctt gtgaagcttg c 91

<210> 13321
<211> 393
<212> DNA
<213> Glycine max

<400> 13321

agcttctggc tgagaagact aagaagaagc tggaggaagc tgcatagtca ggaagcgttg 60
atggcgctcat cgacctcca tccccgctca gacgccacgt gaagtggaag atggcccgca 120
ccaagaaaac aggggagatg acgactgatg ccgcaaagga aattgcttaa acaattgtaa 180
gtcattttca actaaccatt ataattatat ttcaatattt tgtgaatgcc atgtacaact 240
gtgtcttttc tgtgcaggat tcctttgagg agcaagtgc acaaggatcc ttcacccac 300
atggacgtca ggatgttctc actgctgcta ttggacgtcc agagcaccct gtacgtgttc 360
atgctgctgg agccggtgtc accatcaagc aat 393

<210> 13322
<211> 411
<212> DNA
<213> Glycine max

<400> 13322

tagcttaaca ttatgatcaa atttatctgc ttcaaccagt tacagaaatg actggtcaca 60
aagtaatcac tatatcataa ttgatggata ccaatgtaac cataaatgtt atacattcac 120
agtgaatgaa agcacctcac aacaatgtaa tatatttatt gtcacataat catcaacaat 180
gtacaaaatg ctgataacac atttactaat tctatcgaat acacaaaat tgttattcct 240
aactgatgat taagcctttt tacaccgcat ttctctatgc tcttaaaaat aagatgtcca 300
tttcatgcga attgttgta tgggtgtcctt gtcaatggca tccatcacca aaccctacaa 360
gttatatata taacagtagt gatgcagata ataaattgag tcaactgata t 411

<210> 13323
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 13323

agcttaaaga gccagcatat tgggtgccatc gccttatgag tatgcaagaa cgtattatct 60
 accataaccg agtcgtgatg agacatcata aatcataaat aataatagta attgtacgta 120
 gagagaactg catcgaggaa aacatgatgg atgataactc aatgtacatg tggttaactg 180
 gaattatcat attacctcgg cttgagccca aagattatag atgtacaatg atttgctcga 240
 ttacagagc agagagagga catacctcga tcgtaaagga tacctatgga agaatggatg 300
 ataggatgac tcttatccga cg 322

<210> 13324
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 13324

agcttgtatg tccttctttg gctgtgagaa ggagttctca tccattacat ttgcagatgt 60
 aagcacagtc tctgttgacc cagataactg caatgagttt ggttccagtc catcaagaga 120
 gactttgagg ttcacggcag tggtagcgaa gttcacaacc tgcaaaagtc aattgattca 180
 gattgatgac agtgctaataa aaagcataaa tggatgctct ccatttactt tatccaccat 240
 tttctccatt cctatcgctt ttataagata ttgggaaaat aaataaaatg gaaatgatac 300
 acactttatg ggaagtaaca tttattcttt tccaaagctt attgatggaa taatggagag 360
 gacccaaacc caatgacagc atttagagca caacaaatct a 401

<210> 13325
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13325

agcttgata atggctagac atgatacatg tcanggtttg gtttggttca aggataaaag 60
 ggatgccccca cattatttcc atgacacaaa aatgcaaaaa tgatgatttg gaaactttat 120

gcaaaactgg tcatgcatgc acctatgcgg acaactcaagt gtcaaatttt tatgggtcatg 180
 tgatgctagg gctcangatt catttcctct attttaatca acccaatgtt tccaaaatat 240
 gttcttttat caatttgtgc attcatccga gtccatttcg ggcgtccggg aaaatcttca 300
 cagcattcac ccttcaggtg tatacacatt ntttcaaag ctagttacga tcagtgaatn 360
 tntccataga aaagttggaa atcgtctctt ttanaagcat gttgggtcttt 410

<210> 13326
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13326

agcttacata tgaaggtctt gtaaaatttt ctgctcgggt atcaatccag gtaattggat 60
 atacccaaac ccaatactga aatctctgat ttagtaattg gtttctgagg acaaatatga 120
 caaaccaata ttgtaactta attacataag agactaatag atttctatga caganagaaa 180
 acataaagtt cttattgaat tgatggaata aaaaaagcca ccaatgtag gtgagctgaa 240
 attatttata cctatacaca caagcactta accatagtgc acttataatt agttctaaca 300
 gactagtaac taactgtaac caacagagaa caaacaacaaa atacatttgc aatgtatatg 360
 gtaatggaca gtattatgcc tttgaaagaa catgcaaata catgtggctg cttagttgta 420
 gacatgtttt 430

<210> 13327
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 13327

tttattgttg accacagagt ggtacctgga gatatgtcgc ggggggtcagg agaccttggg 60
 gacgtcagg gaggtgctat tgcccaaac caaacttgac caatcccaac ccaaccggg 120
 catagtcgg cagtgagaac ctgtgatgta cctaagcaag cgaactcctg gcagtcaaca 180
 gataaaagga aaacaagacc acaagcaag gaggcttgtg gtggctggcc agctgtgaat 240
 tttgtgtaat atgtggatgg tggcctctgg taatcgatta ccaaggtggg tatcgattac 300
 aggcttaaaa tg 312

<210> 13328
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13328

agcttgaaat gaggaagtgc ggaaggggtga gacttccttc ttttattgtt gaccacagag 60
 tgggtacctgg agatatgtcg tgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccgga cccaacccgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gtgagctcct ggcagtcaac agataaaaga aacgaagacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctgtga actttgagtg ttatatggng 300
 tatggcatct ggtaatcgat taccaaggggt gtctaatacga ttacaaggat taaaagttaa 360
 gacaggaagc taagatggcc tctggtaatc gattaccaa ggtgggtaat cgattaccag 420
 gctta 425

<210> 13329
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13329

agctntccca cagtcccaaa tgacatttca aactaggatt acctcactct aatctccaat 60
 taccactaaa tccagatttg gcttttcaaa tcctcaaagc atcacacttt tccactcata 120
 tcactacatt ctcaactttt aaccctaggt taactctacc ctacatctct atcagttttc 180
 catcagccat ttcagcacac aagcatcaca agcatcatca taaaaaccct aaaacagaat 240
 gggtaagctt gactcatacc aaacattagc atgttttcaa caaatttctt cacaataaac 300
 tatcataagg cataaaccta gtaaaactac ccatacatc tccanaaacc caataccac 360
 gaaaatntat gtgagaagaa gtctaccaa acctgaaatg tgaagtccca caatggag 418

<210> 13330
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13330

agcttggtgta ttcaatatct tgatgaggat gttccatattg ttctcaagac tggactaata 60
catttgctgc ccaagtttca ttgtcttgca ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tctattccac catgaaaccc cctgatgtcc aggaagataa tatctttcta 180
aaagcttttc ctcatctctt ggaggaagtg gtgaaagatt ggctgtacta ccttgctccc 240
agggccatta cgggctggga tgaccttaag aggggtgttct tagagaaatt cttccctgca 300
tctaggacca ctgccatcag aaaatacatt tcaggcatca ggcaacttag tggagagagc 360
ttgtatgagt actgngaaag attcaagaaa ttgtgtgcaa actgttctca ccact 415

<210> 13331
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13331

gaggctntgg agagtngagg ctctaccac aagaagggtg gactccccn cacaacttaa 60
atctctgatt taataatacg tgtctcacga caaatatcat aaaccaatat tgaaacttaa 120
ttacatacaa tactattcga ctattatgac ataaagaaaa catacgatgt tcatatgatc 180
gatggaataa atcaagtcac ctatgttaag agagctggac ttatacatcc tatgcccgcg 240
agcactgtac ccttgtgaac ttatgattaa ttctatcata cgagctacta acatgagcca 300
acagagcaca gacctctaata acataggcta tcgatatgga aatggaacat ataatgcctt 360
tgaaataaca tgctaaaaca gtgtgtgctt aattatacac atgatctgct ccg 413

<210> 13332
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13332

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aggggttaaa agccaacacc tatattnttg aatgtcagga tacaagtttc aaaactaaaa 120

ttttacatct tatcttagtc ttgtaaaaaa agaccatata tttaattctg aacagcaaag 180
 taatcttaga tagaaaaaga ataatcgga tggaatgaga tataatgttc tcataataac 240
 agctcacctc tgtaacacca ggcagcatta ttctctgtca tttaatctcc ttaatttgta 300
 tattatcttt tgataaatca aatagggtccc tatataagac gatagagtta ttttgaagac 360
 ttcanaaatc cacattcaaa actactttct tcaatgttta aagtgtgagg tatagtctca 420
 catag 425

<210> 13333
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 13333

gaaatagaac caaaacatat atgtaattaa gaaaataacg catagatgat caaatattat 60
 tattttgtgc ggtataatca aaggcataga aaatgcatac gatgagttga atccgcagaa 120
 tcaagcactg tgtattaaat tatgtgctac ttcacatata gtcgatagtt taatttcaaa 180
 gagtcaagtt ttgagctgtg agtattatat acgatgaata aagaataacc ggccgttgct 240
 cgtaaacaag gccgtacaag tatgctgcag ccgtatggct tgcacttata acttcgaact 300
 gcgcagtcga attgcttact gccacatat tgaatgttag tggtagacta atatttcata 360
 tcattgacaa taattagctt actttggaga tgaattaatc cttactctat actac 415

<210> 13334
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13334

agctntgatt tttatctaca aacaagctgt gatatttatg ttgaacacgt atgttttctt 60
 tgatttttat ctacaaaaaa gcttgattgt tatctacata aaaactttgg gtttatatat 120
 gtatcattgg gtaactttgt tttttcgcaa ccataagct taaatttttt tgggtgttct 180
 gcctttatat tttttttccc ttttaacacta gctaaagtta tttgaatggg ttatattctt 240
 ttatttgtct gtccctttag ttagacactt ccagtttgat attcaaatat atgacagtgc 300
 tttatatcac atatatgaca ttctttgtct atgtcttata tttattatca aata 354

<210> 13335
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 13335

agcttctgtc cctgagaaac tgggtcccag aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctagactt gcaacaagtt ctatggaagt agacacggag atggacaaga taatccgcag 120
 tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
 atcgtccacc ccaagtgttt ctgtgcctga tgctgagaaa gatgttccaa catcctccgc 240
 tccaaatgct gaagccttcc cttcaccag tgaagaggaa tcaacagatg aagaggatca 300
 agccgcagag gagaccctg caccacgggc accagaatct gttccaggtg acctcatcga 360
 cctggaagaa gtcgaatctg atg 383

<210> 13336
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 13336

agcttgcctc aaagagggtc aggaaggaca aggcggccga aggaactagt tccgctccgg 60
 agtacgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120
 gatggtcggt tctccgggag cgacgcgtgc agctcagggg cgacgagtat actgatttcc 180
 aggaggaaat atggcgccgg aggtggacat cactggttac tcccatggcc gagttcgatc 240
 cagaaatagc ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
 tgagatcctg tgtaaggggt cagtggatcc cgtttgatgc cgacgctatc ggccagctcc 360
 tgggatatct gttggtgttg ga 382

<210> 13337
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13337

agctttttatt ttgatgataa gtttagatat cctgagaatt ctgctcatgg tcaactccca 60
agaacagtgg atgtaattgc agaagacgac cttgntgatt cttgcaagcc tggagatcga 120
gtggcaattg tggggatata taaggctcta gcaaggaaga ggtagtgtga atggagtatt 180
taggtagctc cagacaatat actgacataa ctcctttgca cttgcttgct ttcttgaaca 240
gaaacttgat tgactgattn tcatgtanga ctgttctcat agccaacaat gtttctcttc 300
tcaacaaaga ggataatgca ccaatctaca gtgttgaaga tgtcaaaaac attaaagaga 360
tagctactag agatgatgca tttgatctgc taagtgattc acttg 405

<210> 13338
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13338

agctntagtc aaacagaata atccgaaaat gtcaaagaat tgggtgttga anaagcataa 60
caagactttc tgtgattggc ttaaagatac aatctttgca gatgagaatg cttcagaaac 120
attaagaang ctagcagatg ggccataaag aaatgttata acctggcaag gatacgacat 180
aaacaggtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
ggtcacccta agggctgaat ctcaacactt tgcaagtgtc⁴⁵ aatgatgcca atccctgtgt 300
agcttccatc ccttactttg ggttcattga tgaaatttgg gagcttaatt atgtgaaatt 360
tacagtatgt attttcaaat gtanatgggt tgacagcaac accagtgtgc gcaccgatga 420
tat 423

<210> 13339
<211> 344
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13339

agcttgaatg gatgtatctt ccaaattaaa gtaatgaaat gtagagaaaa ggaacatttg 60
caacataatg agaagataat ttgcagtcta aactcaaac cacttttata atacttgatc 120
cgtttcagaa tatgtcattc aagataattg cacaaagatt aagaaagcca ctaattagtc 180

tcaattatca taaaatataa tttatttcct ttttatcaaa atattggcac tctgactcc 240
 actaatgccca ttgctatctc tcattccact tggtagagat aagagagaca aagatatagt 300
 tgggacaana aaaattcaaa .ctttaatttt ctaaaatgac agat 344

<210> 13340
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 13340

agcttggcctt agcgggaaag gatgcgctaa gcgccaatat cattctgttt tgaagtcatt 60
 ggaagtgcgc ttagtgcagg tagtggcgct aagcctgaat cactcactgt aagttgaagc 120
 ttgatgtacg ctaagtcttg catctcaggc taagtgcata ttgcagaaag atttttggtg 180
 ttgcagaaag cgctaagtgt tgttgttgcg ctaagcccca aatgcttact ggaagttata 240
 acttcaggtt gggcttagcg cgaggctagg ctaagcgcta gtgtttcaaa ctcaaagtgc 300
 acgttggcac gcta 314

<210> 13341
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13341

agctnttcat aacactgaat ttgatttctg ataattgatt actaagggtca caagatcata 60
 tgaaggggggt aggataaaat cagtttatat tatgaagtgg ataagaacca cagtacatac 120
 ataattcaca gaaaaatgtc tcattttaa ctacaaggca aaacaacatt tatcacttat 180
 atttcatttg ccataataag tgacaaaaca aattatgact aanaacataa tccagacaga 240
 caataatagt cttgagggaa ccaatatcaa tatcaacata caacacactt gggtaaatca 300
 tcaagctagc ataactacaa aaccaaacat ggtgtggttg tcattatgaa cctttaattt 360
 caaaacanaa atgaaatatg annagtggat aatggcatat gaatctcttc actgtaacaa 420
 ctgaccaaac tac 433

<210> 13342
 <211> 430

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13342

agcttttctca taagtcctaa atgacatttc aaactaggat taactccctt taacctccaa 60
ataccactaa atccagattt ggccttccaa ctatcaaagc ctactcttt ttccactcat 120
aacatcacat tctcactttc taaccctagg ttaactctac ccttcatctc tagcagtttt 180
ccataagcaa tttcagcaca taaacatcac aagcatcatc ataaaaaccc taaaacagaa 240
tgggtaagct tgactcacac caaacatgac aagttaaca tgctttcatc aaatctcttc 300
agaaataact atcataaagc ataaacctag taaaactacc catcatatct ccanaaccc 360
aatacccacg aaaaattatg tgagaagaag tctacccaaa cctgaaattn tgaagtccca 420
cacgtagaga 430

<210> 13343
<211> 368
<212> DNA
<213> Glycine max

<400> 13343

tgatggattg ccagtgcat caattccttc caagtagtaa agttaaaacg gaagtcccag 60
tgtcgaattc acatggactt tgcttataat taggtagatg aatattttat taatacaaga 120
accaaagaaa attgtgtgaa aaaggctatg aaaaaaatag taatttaaaa tgatagaaaa 180
ttcaatccaa caagaagttg attaaacaag aatctaaatt aattacttaa aacataactg 240
agaagaaaat ccagttatta tagaagttaa attctaaaga tgagaatggt gggaacttag 300
cctactagag ctactatttg atgtgatggt cataattttt ctctatgtat agatattcca 360
atttacac 368

<210> 13344
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13344

agctngcctg gtacatcact cttaggtggt gcattcatct taccaagccc ctcatcgagc 60

agtgtgtag gtacttggtc ccaggttcaa caacattaac aactccatac tcaagtttcc 120
 ttatatattc tcccatgctt ttacctcaa cgcattgata agcttgata ttgatgaatg 180
 cccaatagcc aatataacct tctcagtttg tgaggccaat tcccttgta gtgacattgt 240
 taaagcatga aaccctgtca aaaattaaaa aacaaacacc ccatgtaaat acctagacaa 300
 aaaaatctaa natataacgc actcagttag atgtgaagca cacacaacc ttttaacaata 360
 cattcttaga atatgtttga atggaggaat ttagagagaa atagcacana tgat 414

<210> 13345
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 13345
 taagcttgag tagtaaaatg tttcaaattc tatacatggg actgctacag attgtcggtg 60
 acaagtattt gaaatagttt agcgcaagat taaaaaatct atgtgggata cagttacttc 120
 taatggagca gatgattttg aaatgactgt ctagaatttc ataactatta ttttatcact 180
 taatcagagc ccaaattcatg tttatcaatt tttagattct taactagaat tagttatagt 240
 tttgattaca taagagatcc ttacaaattt aatctctcat tcattataat tatataaagt 300
 ttctgactga aaccagcagg aaaactctcg atccttgaaa caccttgagg atgaaatgag 360
 tgggccatta tctccaatgt cacttctgc accaaagcaa ctcatattca ctctggagt 420
 t 421

<210> 13346
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13346

agcttgaatg tcgcttttgt taatcaagtg ttactttatg catttgtaga tattaggctg 60
 ctgtcgatta ttttgcatg cgaatgaatga gtcagattcc gaagcattgc atccagaaaa 120
 cgaattatag aataaacgct ttactgtac ggtccttatt caagagtctt tctaacaatg 180
 agtagtagta tattaacat aattcactat aaacatattt tgactctcat tataattatc 240

atgtaatgta atagaaaaaa actattccaa aataattatt attttaacat cttactataa 300
 tattaattat tctttccttt atataactta taatattaat gattgatagt aaaatctata 360
 aatanattaa taatgacaaa attaatttca t 391

<210> 13347
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13347

agcttgtcat ttatcattac tcaactcagt tctctctcca ttattcatag gtcaagtcac 60
 tatgatgtat taaaatgttt cattgcatcg cgatgatttc gacacataat tgtgtctatg 120
 atattttatg gcgcgatcac cctaagagat gattgagttg ggctaattgt aataagacag 180
 tgatcagact aagaccttgt aaggaagatt gtggatcaga acataatccg atcttagagg 240
 gtacatagtc cctcagcctc aaacaagaga tgtgcagaga ctaagtgtgt tgagatggaa 300
 atacaatctg atccaagaga tacacagccg cctagtctca gtatgagatg tatagagact 360
 aatggtatag ggattagagc acgatcctat cangggaggt acatatt 407

<210> 13348
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 13348

agcttgtggc ttgttcaatg cttcgagctt aaaccttgaa ggcttgctgc ctctgaagtt 60
 tcttctgtga gcgtagaact cgctcatggg cttggaagta ccggagtggc tgtaccaagc 120
 ttgtgctacg gctatcagaa cttgcaagtc ttgtggctcg tgttggtgtt cgtggatctc 180
 tggactcttc ttcatggcac tgagaaaacg ttgtcttcat gaggaggcca tggttatgtt 240
 agatactatc gtggaaggaa ggcctcacat ctgacatatg aagcagacgc aacttctttc 300
 tcctttttct gtcactggga aatatgaatg cattttgtct ttgttatcct aattcttgtg 360
 accatgaggt tatatctgac cttgagtaac ataataagaa t 401

<210> 13349
 <211> 410

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13349

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagattttac ctngtcttac tttatcagag agaaatcaga cacetttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc acgagtgacc 240
atggcagaga ggttgaaaac aacagggttta ctgaattctg cacatctgaa ggcactcactc 300
atgagttctc tgcagccatt gcaccacaac agaatggcat agttgagagg aaaaacagga 360
ctttgcaaga ggctgctagg gtcattgcttc atgccaaaga acttccttat 410

<210> 13350
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13350

agcttgatc caatagaaga gaatgagcat gtgattgaaa gtatgactga naatgttagt 60
cagattgtca gattgattgt gaaggaatgc attaaccata tccaatgag agtgtgatct 120
ttaaattttg agagaaacga atgtcattta gtactgattt ttgcgtgaat ctctgaagta 180
tggaactgaat gcatgaaatt gatgatgatg aagcccatgt ttgattgtga tagccactta 240
gccaaaaagc taaccatgtg tttgaatgaa ttatcccttg tactcagttt gagctaaatg 300
aattattggt tgattgaacc ctaagcctat acagtgttat ctctgctac cttgacttan 360
gtttaggaa agcatcatcc acaagaagc 389

<210> 13351
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13351

gctcaattgc ttcagggtgc tgcattgaag ggcaaaggtc tgtatggtgg tcaacaaaag 60

aacaccaacc acaaaccctt gccacaagga cagaattctg aatcaagggc cacttggtta 120
 ccaaagtaac caatggcatc aggttggctt caagcttctt aatttcagat gatgcagatg 180
 gggttgtaac taccctcatg cactccttta atgactatgg catcatttct tgcgcttaac 240
 tgctgggagg ttgaagccat cttctcaatt aaatntcctg ctttcacang agtcatgtct 300
 ccaaggctcc accactggca gcatctatca tacttctctt catattactg agtccttcat 360
 aaaaatattg gagaaagaag ctgttctgaa atctgatggg tggggcaact tgcacatcag 420
 ttcttn 426

<210> 13352
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 13352

agctttggat aaccaagcct atcagaatgc tagacgaaat atagatggga atagatgtaa 60
 caatggcggg aatgacggac cgaggcataa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccaaatgc ctacctggac tgggaaatga agactgagca 180
 cgtatctgcc tgcaatgact aactgatgc gaaaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttggtt ggtggcataa ataccataga gaaatgttga tagaggaacg 300
 gcgagaggta gatacatgga ctgagatgaa aatggtgatg agacaaaggt atgtgcccac 360
 tagctataac agaaccatgc gacagatact ccaagggctg tccaaggga ctctaaccgt 420
 cgaagaatat tat 433

<210> 13353
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13353

agcttgcaaa tctgtnttaa gtccaagccc ataaataaaa taaaatctgg gcaagataag 60
 ataagatttg ataaaataaa atctagatga aataaaattt agataagata agataagata 120
 aaatctagat gaaataatat ctagatgaga taaaatctgg ataagaaaaa atttgataaa 180
 attgtctgct ttcttcaagt ctaagcccaa ttccagattc aagcccaatt gcttacaatt 240

ctcctgaaat taaattaaaa acacaaaatt agtcaagtag gcccaaata taaaactgca 300
 taattaattt gacaattaag gctaataagt aattaaaatg gtgacaaaaa gggttaagaa 360
 ataggagaaa atgatgacac atcacacacc taacatgcat aatctaattt ttnttaata 420
 ctag 424

<210> 13354
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13354

agcttgccctc anagagatcc aggaagagaca aggcggttga aggaaccagt tccactccca 60
 aatatgacag ccatcatttt aggagcgctg agcaccaaca gcgcttcgag gccatcaaag 120
 gatggtcatt cctccgggag agacgtgtcc agctcagga cgacgagtat actgacttcc 180
 aggaagagat agttcgcccg cgggtgggcat cgctgggttac ccccatggcc aagttcgacc 240
 tagacgtagt cctcgagttt tatgccaatg cttggcctac agaggagggt gtgcgagata 300
 tgcgatcttg ggtgaggggt cagtggatcc ctttcgatgc ggatgccctc agccagttct 360
 tgggataccc t 371

<210> 13355
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13355

agcttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcttcaac cttgttcttt caaaccacaa ttccagaaaa 240
 tccacttatg ccagaaatta tctcgtggcc ataactcccg ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaga cgagacatnt tcacctcgtt tggaatcacc 360
 tcatttggag ccctgtagct tggagttttg ccatttctat 400

<210> 13356
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13356

agctntaatt tcaaagtatt ttttttttaa tttctcattt cagttactct ctattcatat 60
 ttaatttatt ctttatgtga taattagatt gatggtatta aaaaaatgaa gatgacaatt 120
 ttaaatcatc ataaaaatgta atgacattag catgtcctta atgccctcat tntatttcag 180
 atgccaaagat caaattaaat taatttttaa aattaaaga cttaattgaa cataaaaaat 240
 aaattataag acaaaaaacct aataacttat tttttgtaat atttcattnt tttcatatta 300
 ctaaactctc ctaagaaaat gtaggttaaa gtaacgttnt aaattttcta atccttaatt 360
 taattatggg ttcaagaatt gtagatacca atttaatggg at 402

<210> 13357
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13357

agctnttcct taagcttcaa gatttagcct taggttggtc actatgtttc tcatgttgct 60
 ccccttatct ctaacacatg gaactaaggg cgacctctag ccttagtttc atattcagac 120
 tgaaactgac gagaacctct ccatgaattt gtggagtgcac tcatcttcgt cctgctgaat 180
 gtttggtgagt gcaactatag gcaagtgggtg tgctttactc atcatgtact gngctccaaa 240
 atgcacaata agtgtcatga aagaatctat cgagttcctt ggcaaacgaa tgtaccagtg 300
 gagtgttgaa ccccttaggt tcatcangaa tacttggcac attatgacat catcattcgt 360
 gaatagattc atttgtgtaa ccgatgcac tatatgtccc tctggatccg a 411

<210> 13358
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 13358

agcttgattg aagttgtcaa attgacttgt ttcaaaagct tgagctcaac ttaattagtt 60
cgcttataac ttgttgtttt cttttcctac atctaatttt ccttgaagta gttttttgtt 120
tattaattta ctatttagtt gattacatat cattatgcta ggaaaaggat agtaatatta 180
ctcttctaaa gtatggttat tgaaatagta ctagtataca gcatgaaacc aattaaatca 240
attagactgc actactaagt aatagcatga cataaagtat cattagtatt attattatta 300
ttattattgt gaatacattg tctta 325

<210> 13359
<211> 410
<212> DNA
<213> Glycine max

<400> 13359

agcttcgttg caagccagtg gttggaggag aaggctggat gatgaagttg atttgtggag 60
tgcataatca tgaattggcc aactcattag ttggacatcc atatgtaggg cgattgactg 120
aagctgaaaa aacaattatt actgatatga cgaagtccat ggggaaacca agaaatattc 180
tgctaactct gaaggaaaac aatgctaata gttgtacgat cattaaacag atatacaatg 240
caataaatgc atttcgttct tccataagat gaagcgatat tgaaatgaaa catttgatga 300
agcttcttga acgtgatcaa tatattcatt ggcacagaat aaaggatgaa gatgtggttc 360
gtgatatctt ttggtgtcac cctgatgcag tgaagttagt caacgcatat 410

<210> 13360
<211> 411
<212> DNA
<213> Glycine max

<400> 13360

agcttcattg cctaataaggc cagcttaca aagcaatctc caagagactc agcataagga 60
tgcacaggct aaagttgagt atgtgaaaag attgcatgac caagtgaagg cacaattgc 120
aaagaagaat gaaagctatg ccaagaaagc taacaagaac aggaaggaaa tgatacttga 180
accaggatgat tgggttttggg tacacatgag gagggagagg ttccctaaac aaaggaagtc 240
caaacttcaa cctagagaag acagaccttt ccaagtccaa tcatgttttc ttattaatta 300
gtgaattatt taacactaat agggcttaca aattaagctc tgtgtagttc tcatgtgtgt 360

tataagctta tagccttttag gaatctgaga acacaacttg aaatgatata t

411

<210> 13361
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13361

agctntaaca agtaagttgt cctttntttt ttatttaacc acctatcaag aaaaagttga 60
tgcatttctt tctttaaaact gttttcttgc attcttctt gttttctctg ccaaagcatc 120
agctactctc tctaaccacc gcactgtcaa agcacaccaa aactgtgtgc aatttaatta 180
tgcaacaatg actctctccc ctttctcac tttcaatatt tgtcatcaat tntagaattt 240
ccttctgttt ggccatgctg ttgcgaaacg gtggcaaaaa aactctcatt cgcagcgtta 300
gaaaactctc ctttgagggt ctcacctaaa gccctccgc tgaagatgaa tcggatcccg 360
ttgattctgt caaccgcat tctgcaagaa ggtgagtgaa gcgaatgtat 410

<210> 13362
<211> 357
<212> DNA
<213> Glycine max

<400> 13362

aaaaatgatt gatgttaaaa cttcagacta aaagtctaaa gaataaattt ttcacattta 60
agacacaaaa tatgagaaaa tattatcact gttagcagtt tacgtacaaa gtaatcaagc 120
ctgccatggt cccagaaaa ggaaagtcct ggctaggact ttctatatca ctgattcttc 180
tgtacaaaga tgtgctacca tgagccagaa taaaaatatg atagacaata atgaagtaca 240
aaatatatca taacaagtag gactacaaag aaagatatac gtacagctgg tctaagttat 300
tcaagagaga gatatttgat ggaatgggtc cctctaattc acttccatgc atttctc 357

<210> 13363
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13363

gataatcgac tacacttata ctgactcgct atgat

215

<210> 13366
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13366

tccacaacat ccaggtaatt ccacatgcaa tcatcatggt ctcaactttac caagcaaaac 60
agggcaaagg cagaaaactc tgcccaaaac acaactcaaa atcacagctt ttcacatata 120
aataccccag taacgtttcc ttcgttccaa ttcgttaacc gttggatcga ctgaaaaatt 180
ttactggcag tctctagtac ataagtctac attttgaccg ttgggatctg ctagcaaagt 240
ttcagaaccc gatatgtact acccttttca caaccagcca tacacaagca tttttctgca 300
cttatacaaa attctgttgc acatttcaac agcanaattc tgcataaagt gcagatttcg 360
aaaactactc ttgccttcat ccaattttgc ccaaattgaa tcttacaagt cccaaatcat 420
gtaccaatca tg 432

<210> 13367
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13367

nggataagat tatacggaga ttatggaggg actnnngact actttctaca atnatgcata 60
aaaaaagggtg tctgtcattc atctcaaact actgtttatg tattttttatg catgcaagca 120
ctcacgtgca catatataag tngttgacta gttattaatt ttaattaaaa cataaccata 180
tactataatt tcaattatct attgtaaaac taaaataaaa ttatatatct aaaaatattt 240
atattattata attataaata tataaaaact gtctatcaac ttgtggaatg tataaactac 300
aagttagatg attataaag agaaaatata catataatat ataactctgag acatgatatt 360
ttgtcaatga aaactaataa tataaaaagta tgtgattttt tattggaata aaatatatag 420
tttttaataa aattatat 438

<210> 13368

<211> 331
 <212> DNA
 <213> Glycine max

<400> 13368

acagagcgga cctagagaga tggtgcggtg gtcaagagac cctgcggatg tcaagtgggg 60
 tgctattgcc caaaaccaag cttgaccaat cccgacccag cccgggcata gtcagtcagt 120
 gagaacctgt gatgtacctt aacaggcgag ctctgacag tcaacagata aaaggaacat 180
 agaccacaaa gcaaagacgc tgggtgtggtg gctggccagc tgtgaatctt gtgtgatata 240
 tgggttatgg cctctggtta tcgattacca aggggtgggtc atcgatcaca atgcttagga 300
 atgaagacag gagactaaga tgggtctctgg t 331

<210> 13369
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13369

tccaggaatg acaaggcggc cgaatgatta tttccgctcc ggagtatgat agtcaccgct 60
 ttatgagcgc tgtacaccac cagcgcttcg aggccatcaa gggatggctg tttctccggg 120
 agcgacgcgt ccagcttatg gatgacgagt atacagattt ccaggaggaa atagggcgcc 180
 gacggtggac atcactggtt actcccatgg ccaagtctga tcaagaaata gtccttgagt 240
 tttatgccaa tgcttgacca acagaggagg gcgtgcgtga catgagatcc tngtaaggg 300
 gtcagtggat cccgtttgat gccgacgcta tcggccagct cctgggatat ccgttggtgt 360
 tggaagaggg ccaggaatgt gagtatggcc agaggaggaa ccggtcggat ggggt 415

<210> 13370
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13370

tctacattca atttcgagct tttcgatata ttacggtatt tttatcggac atccgagtaa 60
 aaagtgattg tggtttgaat ttgctcacgg cttcggtatt ccatttcgag cgtctcgata 120

tattacggga ctcaatcgga catccgagta aaaagttatt gttgtttgaa tttgctcaga 180
 gcttcggcat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagctat tgtagtttga atttgctcag ggctccagca ttccatttcg agcgtctcga 300
 tgtattacgg gactcaatca gacatccgag taaaaagtta tagtcgtttg aatttgctca 360
 gagcttcgac attcaatntc gagcgtttcg atatattacg ggactcactc agacatccga 420
 ctaaaaag 428

<210> 13371
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13371

ccctcgtaa tttgtatatt tttattcaat gacaaatddd atttatggta aagccgnnaa 60
 tcatgataat aattactttc tttaaaaaaa aactttgata ataattatct taaaaatcat 120
 ataaataatt atatgtaact aattgatagt gtaaaagcta ttaacctaac aatacatgct 180
 tattaactct taaaaattgg taaaactcgc tagaaaaccc aatcataatg gttgaaaaaa 240
 gaggaagaac taatattgaa taattggccg gcttcaatgg tttcttttca tttgttttta 300
 tcttttatga tatttaactc aataaaaaat actttgtaac tagaaaaagg ttaaattgtca 360
 agttacaaaa ggctgtgtct gagaattacg tataaaatat tatcatttac catattatta 420
 ttacgtagtt atcat 435

<210> 13372
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13372

tgaggtcctt caacgggtgat tttcagccat ggagtnngtg nngtaagata aaggaaaaga 60
 cgtgagatga gactgatcga ngccgtaccc gaatcatata aacatgagaa tgcagtaact 120
 aggaagtgat cctaggtcgt ttcccaacga gcagtgacaa accaaatggt cataatatat 180
 ttgcagtaac agtaacgatt gggggggggg tgtttggact ccttccttat gccgattatc 240

ccctgcnnta agactatgaa gaagatgccc gtttatgccc tttactgccc ctcaaggatc 300
cggccctca tgaa 314

<210> 13373
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13373

gcatgcacaa gagnctggcc ggggcttgaa gctgttgcac gtctacgaag ttctagagag 60
agaaaggccc aagtccaaa gagttctgag agattttgct gtgtgaagat ctgcagagac 120
gagagctcga agtggaagcc attctgaaag cttgagaaga gtttatgagt gattgtgaga 180
tcctagaggt gaaggagaca tcctcaccac ttgtattttc gcaatctttc attntgctct 240
tctttgtggt gtaaaggacg tttccagact atggaaagtt aaatcctcta ttggatcttc 300
cctgtaggta cgtgatgtaa atatatttct atctatgtaa tgatgttctg tgtgttctct 360
gcgctatctc cttatcattc atgtatgcct tta 393

<210> 13374
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13374

atcttggaag ctagacttca ttgcatgttg tgttgatggt caaaatttca tagctactgc 60
cttggtctaga actatgtgat atgttggttt tcttgaagtt ttatgtttaa aaatgagttc 120
ttaggatgtc aaaactttga gttagcctta aatttcactt aaatcgaagt tttctagcaa 180
aagtgaacaaa acaaaaacaa tttaagcata tttttagga ttaaatttgt cacaaaatta 240
aaatggatcat aatgggttga tggactaaat ttcttaaata tttgacttca aaaatgagtt 300
tgtaggtgt gaaaatcang gtactatcag accctaattc tatcaggaca agtttctcaa 360
gaaaacaaaa caaaacanaa aataatga 388

<210> 13375
<211> 356
<212> DNA

<213> Glycine max

<400> 13375

atcaatacag agcaggcact tgataagaag attgatgcac aaaacactac agtattcaga 60
agaatcacca gaagacatcc tactgaagaa caatctttaa aagataaccc attaccagct 120
caagaagata tcatgaggca accactaaga caagataaca agcattaaca actatatttc 180
aaattcaaat ttgcaagct gtatagtaga aaatagtggg aaaatgtagc acccgaaggt 240
gagaagctgg agaagttgga ggataaacia ttgacataca gatagatgaa agggaagctc 300
atgcagccgt gaatgtgttc gaaaatccct ctaacatcca tatgttgga caaaat 356

<210> 13376

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13376

tctgatcatc ctgcattgat gaatacgaaa attgcggcac atgaaaagga tgagaatgag 60
ggagaaacct ttgctatgac tgccattcct acacgggtcaa atttcctgtc agcccaacia 120
tgtcattact cagccaataa cagttcctct caccaataa tccacaaagg ccatcccaaa 180
tcatccacia agcctgcccc ctgcacatcc agtgccaaaa caccaacia aaaggaattt 240
tgtagcaaaa agcctgtagg attcacccca aattctagtg tcatatgcca acttgccttt 300
atatctactt gataatgcaa tggaagccat aacccctgcc aggggttcctc aacctccatt 360
nttccgagga tacgactcga acgcaacatg tgcata 396

<210> 13377

<211> 396

<212> DNA

<213> Glycine max

<400> 13377

actatagagg ataatgccat ggcgactgcc tctaataattt ctagggaagt ggaaccggcg 60
ctgcaaccgg caataaactt aggccgatat agaaacacga cgggtgttcgg tcggaggtat 120
agtcctcaag cttaacctta tggcttgctt ccagacttca ctccccgtac cgctccagac 180
gatttgaacc aagccccctac cttcgagggg caactccctc cttatgccga ttatccccctg 240

caagaagacg atgaagaaga tgcccgtcta ggccctctac tgcccctcaa ggatccggcc 300
 ccccatgaat tgcccgaacc aaacatagtc cgccatgtcc catctccacc cgcaccggtt 360
 aaagaatctg ttccctttgc ataagatacg gaaaga 396

<210> 13378
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 13378

catggctcgt tctgcattga ctagtggata ctgtcggtag aaaaacttgg attgttttgt 60
 gatcctcggc cataatggac cgtgtttgag tattactctt cctttataca aaagtataaa 120
 ttctatgcta gggttgaatc tcttccctga ggaaaaccct taggcgggag ctaatttgcc 180
 tcggttgacg atggtcagct ggggtgactg gacaaagatt tctaggttct t 231

<210> 13379
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13379

gggggggggg gaccacagcg gcggcttgaa ggaanaccaa angcccagac cgccagcagg 60
 ggctnananc ccaaaccata cttaccacga tatcctcgtg tattgatcaa gctacttata 120
 tcgacggact atgtgcctaa acccatacaa gggtcataac aggcccccat cataactctg 180
 gccataaata ccacagcatc ggacagacaa cgctgcccac agatggactc cactgctgaa 240
 atgct 245

<210> 13380
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13380

aagagaggat tcacaacttg ccagaatnct aactcttggt cttgcatctg atactngccc 60
 ttgacaagga actcagtcac tagatttgct acgaagttaa acacctctac tgcacaacca 120

ccacacagcg atagtgggtgc tcctacgtag aaactggctt cataaaaata accaatcaat 180
 cctcttcatt ttagtatttt ctggataata accaccgata actaagaagt acaaatgcag 240
 gaaatgatgc aactaattta tataattatg ttacctaaga acgcacgtgt gaaccttcac 300
 catttcaa at aaccagaaac attgaaatta ttttagattg cacatcaaca agtaataacc 360
 gtacttcaaa tctttctagg actagtcatg catatataac atttagttca catgtgagaa 420
 aataaataga actagtaa 438

<210> 13381
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 13381

gaacttagaa actcagcttg aatctctcct ttgggtggac atgattctct atgttttcat 60
 gggcgacaag catacaacaa ttacagttag attatctgat gtatttaggc gcaatgcttc 120
 cttgactagc tctccggcac attgctgtgg gtcacatgc cttcttaac ctcggcgaa 180
 aagactaact gcaacttggc tagacattac atcccaaac ccatcacacc caatgatcaa 240
 gaactcatca cctcagtc atgtaaccag ccgaacatct ggctcagcaa taagagggga 300
 tgcagcacca agtggaaatt tcaagtcca atcccaaagg gctcgagtta ctgaaagata 360
 accattgaga tatccatcat caatgaacc acctaactcc tccacctcc tcttctctgg 420
 tagataactt ggctgtgat cattagacat ctcaaca 457

<210> 13382
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 13382

tctacttatg tggcagggcg ggcttgcttc actatcttgt tttcaacgcg agttttgacc 60
 actgtgcttc cttcccgca tgcttcttt catgtccgc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt 180
 gcctaaaccc atcccggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
 tgcacggac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300

aaaagactgg aaagtagttt ctaacgattc ttctacggct tccacataat gcatggagga 360
 tgggcagctt accaagatgt cttccttgcc tgacacgatg 400

<210> 13383
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13383

cccaccattn tctcatagta gaacactggg tatgtgecta ctatcattgg tatcatctgc 60
 ctctccatca ttggcggcgc tacttgagtt gtcatatccc tccatctttg ggcgtatctt 120
 ttaaaaaatt cgtgctcctg ttctgtagct gcattctatc tggagtcata tcagaattgt 180
 actaatactg cctaacaaag gcaaccatta agtctttccg agaatggatt tgggaagggt 240
 ccaaattagt atatcagatg acggctaccc tagtaagact ttcttgaag aaatgcatca 300
 acaatttttc atctcttggt tatgtcccaa ttntcctgca atacaccttc aggtgattct 360
 tggggcaagt tttccccttg tacttattga agtctgacac cttgaacttc ggaggaatga 420
 ccacgttggg tact 434

<210> 13384
 <211> 222
 <212> DNA
 <213> Glycine max
 <400> 13384

atcaattctt catttaaate gtgttgatag atatcaattt cttatatgca aattaattta 60
 ttttaaata gaaattacat taaatttata aaacaaccat ctatttaaaa taataaaaaa 120
 tttttaattt aataattaaa atataaaata atatttaact aggatttgct gaccacaaca 180
 ggattttaat acataccagg tatttttcgca ctcaataatt tt 222

<210> 13385
 <211> 268
 <212> DNA
 <213> Glycine max
 <400> 13385

00313012400

tcctcacgga acacggttacg gaagcgtttc ggaagcgctt cggcttagat tttattcacg 60
gagacaat tccaagcat attcgaaaga gagagatttg cctaacgggc tggacccctt 120
ccttcttcaa ttctccctt attgatagca aaatacggga ggtggttgcc gccagctcg 180
cccaagcgag ctcatctcgc ccaagcgagc acggttgctt actgcagaaa caaccgcctt 240
ctggaggaat tttctggatg gcccaaat 268

<210> 13386
<211> 383
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13386

tcttcgtaga gcgtggcatt acggagattt cnttcgtaag cttttacgga ataactggtt 60
ctgtaacaag tgttttacgg ctacggaaga agttctttcg taaaaaattt actgaagaat 120
aacttcttcc atatgtaaca gatctacaca aaaaaacggt aaaatgcgta cctccggcga 180
aataaaaaca acaataacaa cagcaaccgc caatatttaa ccttcaccga atgactacct 240
cgaaaaaact tgtaaaaacc acccagaatg gcacaaacta gacgacagtg aaagaaagaa 300
agtgtaaaac tgtaaaaaat tacacaggcg tcgtatat t aaagaataac gagacagagg 360
aaaaactggc attttataaa aat 383

<210> 13387
<211> 177
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13387

ataaccacc tcccctgtgc cactccaatg actcacgtac tgccacgtac ccatatccgc 60
gtactataac accggggcgc atagacctnc aaggtttccc aacatccaat aatagacat 120
tcaaacagca cagattatca cagcctacaa aacttgga ggaagaaacc tttcaaa 177

<210> 13388
<211> 440
<212> DNA
<213> Glycine max

<400> 13388

gatcgaccac tttcaagctg aactgcaaac atatttagca gtgtcaataa ccatggaatg 60
gaacagttta tgcatttgaa caattggagg cgtaattgag agactgtagg tattataatc 120
agataaagag ttggctgtca tggacatctc attgggggct gttatcacct aaacttctaa 180
cgtggtaaaa ataataatgg aaattccaca agacactagt ataaagcaga atattttgat 240
tctgtggagt tggtttcaga gatacaaaga aatattaaaa tctaccaaatt tgcacaaatt 300
gtgaagtagt gactcctagt aatatgcact cttaagacac tagacctcaa tggatatatg 360
aagtttgttc tggttactga tttacaagtc agtgggaaggc ggaacaaaca ctacacttca 420
aggaccattg atatttgaca 440

<210> 13389

<211> 452

<212> DNA

<213> Glycine max

<400> 13389

cttgatgata tgggtcttcac cgacgaaagg atcaaagtga gttcttataa aaggcaaadc 60
tgatcatcat actttgataa atgccaaaaa aactagggca aataaagagg gtgaggatga 120
aggagaagcc tgtgctgtga ctgccattcc tatacatcca agtttccac caacccaaca 180
atgtcattac tcagccaata accaaccttc tccttaccac tccccagtt atccacaaag 240
gccatcttta aaacaaccac aaagtcttcc gcacttccaa tgacgaacat caccttttagc 300
acaaacaaag agcaccaacc aagaaatgaa ttttgacgag agaaagcctg tagaattcac 360
cccaattcca gtatcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccca accaagggtc atcaacctcc at 452

<210> 13390

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13390

tgtacattca atttcgagcg ttccgatata ttacgggact tcttcggaca tccgagtaaa 60
aagtaattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattc tcgtttgaat ttgctcaggg 180
 cttctgtatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
 aaaatttatt ggtgtttgaa tttgctcaga gcttcaacat tcaatttcaa gcgttccgat 300
 atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atntgctcag 360
 agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatca gacatccgag 420
 taaaaagta 429

<210> 13391
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13391

agctgtcatg cttatatggg catcnggacg gagtcttttt gttcgcacaa gnctatcgca 60
 ggggggttgta acattgtggg ttatgacata tgtcacttag ttgaagccaa tggccatgcg 120
 agaggtattc gagttccggg ggagaaaata tagggacttt tgtatcacta atgttcattt 180
 tttctccac gccctcactg atcatatctc tacgaatcct cagtcttgga tccgcacgac 240
 tatgtaagac aatgctcgca cgcttatatg ttgcctgatg ggatgctatc gaccatatca 300
 aacagtctat agatctttcc t 321

<210> 13392
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13392

acctaggctg atgaagacnn ctantattca aaatgctgct ggtttgcagc ttctcccaa 60
 aagcctttgg cagtctgca cttagaacat gcacctcact ctttcaaat ggtcctattc 120
 attctttctg ccaaaccatt ctgttggtga gtgtgagga ctgttttgatg ccttttgatg 180
 cctattttcc tgcaaaactc attgaactgc tctgaaacaa actccaggcc attgttagtt 240
 cttaaaactt ttaattttgt accaagtcga tttccaacaa gagtatgtca ttctctgaat 300
 ttttgaaaag cttccgactt atttttcaaa acatacagcc atactcttct tgagaaatca 360

tctatgatgg tgagaaagta tgagcttcca ccatgagtat tcactct

407

<210> 13393
<211> 441
<212> DNA
<213> Glycine max

<400> 13393

tcaacatcag accacttcca ggggtgctgga atacttccat ggacttgatg gggcctatgc 60
aagttgaaag ccttagagga aagaggtatg cctatgttgt tgtggatgat tactccagat 120
ttacctgtgt caactttatc agagaaaaat cagacacctt tgaagtattc aaggagttga 180
gtctaagact tcaaagagaa aaagactgtg tcatcaagag aatcaggagt gaccatggca 240
gagagtttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc actcatgagt 300
tctctgcagc cattacacca caacagaatg gcatagtga gaggaaaaac aggactttgc 360
aagatgctgc tatggctatg cttcatgcc aagaacttcc ctataatctc tgggctgaag 420
ccatgaacac agcatgctac a 441

<210> 13394
<211> 433
<212> DNA
<213> Glycine max

<400> 13394

tctacttatg tggcagggcg ggcttccttc actttcttgt tttcaacgcg agttttgacc 60
actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt 180
gcctaaacct atcccgggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240
tgcacggac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaagtagttt ctaacgattc ttctacggct tccacataag gcatggagga 360
tgggcagctt accaagatgt cttccttgcc tgacacgatg accaggtgcc cctccactac 420
gaatttcagc ttt 433

<210> 13395
<211> 353

<212> DNA
<213> Glycine max

<400> 13395

cacatagctt catttcattg atttgcacca cacacactta aacactttta tttatactta 60
cagttttttt ataacgaaaa caatgtgtat atactgctct gttttgacca ttttatttct 120
taccagctct cccccaatt tgggacaaat ttgctttaac atataactcc cccaaatttt 180
ggacaaattt gtcttgaacc aagcttttct gtggatgatg ctctcctaca agctaagaca 240
aggtagcacg agataaaact gtatatgctc aaagttcaat caatcaatca atcattcaac 300
tcaaaactgg gtgcaaggga taaatcattc aagcacgtgg tgagcttttt ggc 353

<210> 13396
<211> 323
<212> DNA
<213> Glycine max

<400> 13396

cgtgttcttt gaaagatccg tccccctttt tgcaaagtgt ctatagttgc atcctatccg 60
gaaccatata aaaattgtac tgatactgcc taacaaaggc aaccattatg tccttccaag 120
aatggactcg ggaagattcc aagttagtgt accaggtaac agctacccca gtaagacttt 180
cttgggaagga atgtattagc aattcctcat cttttgcgta ttcccccatc ttctgacaat 240
acatcttttag atggttcttg ggacaagtag tccccctgta cttgtcaagg tccagcacct 300
tgaacttggg aggggtgatg ata 323

<210> 13397
<211> 314
<212> DNA
<213> Glycine max

<400> 13397

atcctttcac ataaaagctg tgtgtaatcg attacactta tttggttaacc aattaccatg 60
gatagcctct gaacaaaatc aaaagatgta actgttccaa tagttttcaa gctcttgatg 120
aagacatata ttttccaaat ggctttcaag gttttgtcac aaggttataa ctcttctaata 180
agttttcttc actagacttg agagtctata aaagcaaggc tttgatctgc aaacaaaaaac 240
tttgtctaac aattcttttag acaacaaact tttgccaatc tgatctctaa atctctttga 300

acttggttctt cttc

314

<210> 13398
<211> 348
<212> DNA
<213> Glycine max

<400> 13398

aggagagaa gttgaacttt gatgcgcatc tcacaagttt cacattcatc aaagttacaa 60
caagtgttac acatgcttct atttatagcc taggtagctt ccttcataaa cttccttgag 120
aagcttcctt cagaagctag agcttagcta cacacatcct tctaatagct aagctcactt 180
ccttcatatg agaagctaga gcttagctac acatacacc tataatagct aagctcacc 240
tcatgctaaa atacatgaaa atataaaaaa gtcctacta caaagactat tcaaaatacc 300
ctaaaatata aggctaaaac cctacactac tagaatggcc aaaatata 348

<210> 13399
<211> 383
<212> DNA
<213> Glycine max

<400> 13399

gagttatcat gatatttgaa ttctctacaa cgacatgcaa actggtcctt ctgggttggg 60
attaagagat gttattacat gcatgctcag gtaagggta acaaccaaca tcaagcatta 120
gatttttcca aaattaaaaa gtattctgtc acatagaata gaatgataga aattatgatg 180
ttagccggtt ttcttttaat tgacgaagaa agcaaatcaa agagaaatta tatatgtatg 240
tcacctcaaa ggaagcatcc tgatgttcac cccgctcatt gaaagctttt gaagcctata 300
atgcatgttt atcacaacaa ttaattaacc aaaaagatga aaatctgttt gaaaatatat 360
tgagaaaccc actggtcact cac 383

<210> 13400
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13400

gtccatacca ggcactaagt ctagggagaa ctcaacctct ctctcacgtg gtaatccgga 60
caccttaaac acctttggaa actccctcac caaaggtata tcaactcagag gggttttgcc 120
tcaacactca tactagctaa gatcatgtat acttgtgcat cctccctcaa agatgcctca 180
acctggttag cagacaaaaa catatcactt tcaactcacac caaaagacaa cagattttctc 240
aaaatagttt aataaggcgt ggttgaaga taaccagtcc ataccaagaa taacatcaat 300
ctgactcana ggtaaaacaa ccaaatacaa caaaaactat ctatcagaaa ttaagatagg 360
acattgcaag cacacatcag atgttaaaac agacccact 399

<210> 13401
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13401

tgatgataaa agtgagaagt acgtgtgtgt gggttacgtc tcaatatcca gngggtagaa 60
gctctatagt ccaaattgta gaaagatcgt cataagtcgc gacgtggagt tgcacgaaga 120
agattgttgg gattggagtg ttcaagaaga taagtatgat tttcttcctt attttgaaga 180
agatgatgaa attgaacaac caatcataga ggaacatatt acaccacctg cctcaccgac 240
accaaggctg gatgaaacaa gttcaagtga gaggacaccg cgactaatga gcattaaaga 300
gatttatgag gtaacaaaaa acctaaacga cattaacctc ttttgtcttt tgggtgattgt 360
gagcctctat gctatcaaga agcgacggga aacataaagt ggaagacgcc atggacgaag 420
acatcaagtc aatcacgaag aatgat 446

<210> 13402
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13402

tgacttgggt ttagacatga ctgatacatg attngggact ttgttgaatt gatttgggca 60
agattggatg agaggaagtg tgaatttcga aatctgcact ttgtgcagat ttttgctgtg 120
aaattgtgca gcaggatttt gcacacgtgc agaaaaatgc tatgttttcg ctggttgtgg 180

aaagagtagt gcagaatgag ttctagatgt ttgctagtag atcccaacgg tcacaatgta 240
 ggcttatgta ctatagactt ccagtaaaat tttggagtcg atccaacggg taacaaattg 300
 gatcgaagga attgttactg gggctcttga gtgagaaaag ctgtgattat ggttggtgtg 360
 ttgagcagag ttttctgcct ttgccttggg ttgcttggct gtgatagctt gtgctg 416

<210> 13403
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13403

tatcctgggc tccttgggtg tgagctgcta canactcttc tttccttgaa tggcattatc 60
 tctgtgttcc ttctccattc tactaccatt catcttccaa gaagcaaag aatccatagg 120
 tgaagaagat ccaacgccta caatctccac atgggactac gtcaattcca ctatctaatt 180
 gcgcttctat atgttgacac accaaaattg cctctgatgt atggaaactt gagagaagat 240
 attgatacat aaggattgcc caatgacatg acgtgtctat atcagtctct tggctggggg 300
 tatatgcac aatcag 316

<210> 13404
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 13404

ccttgtacgt cacaagtcac ttctgcctgc gtctatctta tttttcacac aagcatacaa 60
 aacaaggaaa gaaaataaaa aatagcgacc gaaatgaaat accaatacca cacatccaat 120
 tagaaaaaat aaaaaccgcc cctaatttaa tttcttgatt tctcaatatt tattatttaa 180
 gcggtgggac cttttatata cagtttaatt cggccgccag ctttgcgctc tctttcgtct 240
 gcgtccatcc ccggcggttac tttgcgtttg actctcattc tctatctctc tctacacctc 300
 tctctctctg tctctcaatg tctataaggt ca 332

<210> 13405
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 13405

gcttgatgtc ttcaaacaca ctatgtagac cttaaaggtag attatcattc attgtttatt 60
tattggtatt cattatgcga tataattcgt tgtaaccgt cactaaccaa ttaatattat 120
caactactcg tttgggtaag caaggaaatt gttggtccaa caaaaatcat ttacgcgtac 180
agcatacatc attgtcataa ttgacaacac ataatgacat tcatagttta cctgtaagaa 240
aattggcacg taaatggaaa tggttcttca tctatttcgt agaaagagct ccaaccata 300
agtggctgag actccatgat catgctccag acacgaagat atataaagac gtcgaagtat 360
tgaagaagga ttataagtcc cttccttgct gaaacagtag tagaacgtgg ggaatatgaa 420
aggaagttgg caatttatat 440

<210> 13406

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13406

caccttctcc ttccccaaag cgggcatca tcttagcgcc gaggtcgtaa accgtttcca 60
tctcggtcgt cttgagcgtc agcttcccg tcttcgcagc ggcgccagac accgcagggc 120
ggtcgatctg gacctcgacc acttcccctt caatgacttc ggcttcttcc ttgatgcgga 180
cgccgatggc cttgcggaag gcttgnctga gggcttccgg tttggacatt tccaatgaga 240
agatttcgct ggcagcgatc atggcaaaag gggtttcgag gccganggac ttggccatgc 300
ccatggcgat ggcggtcttg ccggtgccgg gctggcctgc taggaagacc gcgcggacgg 360
cgatcttgcc atctttaatc atctgga 387

<210> 13407

<211> 312

<212> DNA

<213> Glycine max

<400> 13407

tacttataac actacaaaat aaccataaat tggaagagtt tgatacaatt tacacaagtt 60
ttatacacia aagtttagtcg tatgcaccga ctaacacact gacatccttt gaattttgca 120

5663

atgcaagggtt attatcttca agaagtctat ataagagtct tatagcacgg aaattgtgcg 180
 cttcctcaaa ttccatcaca atgtgcttct gatacttgaa ttcaagcaag cactattgtg 240
 ttggctccta ttttattata aattgggtcac ctaacagttg aggatactgt gagcgtagt 300
 aagcctaattg gt 312

<210> 13408
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13408

gaaagaggaa gtgtagaagg tgaaactgcg tgctnnnttt cgttgaccac agaggggact 60
 tggagagtgt cgcgagggtc angagacctt ggggatgtca ggtgggggtgc tattacccaa 120
 aaccaagctt gaccaatccc gacccaaccc gggcatagtc agtcagtgag aacctgcgat 180
 gtacctaagc aggcgagctc ctggcagtc acagataaaa agaactaaga ccacaaagca 240
 aggaggcttg tgtgggtggct ggccagctgt gaatcttgtg tgatatatgg gttatggcct 300
 ctggtaatcg attaccaagg gtgggtaatc gattacaagg cttaaaaatg aagacaggag 360
 gctaagatgg tcttttgtaa tcgattacca aggggtgtaa tcgattacca cgcttgaaaa 420
 cgagggtctgg aagct 435

<210> 13409
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 13409

gatcattttc ccctgccatt cattgatcaa atgcttgagc gcttggcaag tatgtctcat 60
 tacaattttt ttatggtttt tctggttatt taaaaattca tattgtcctt gaggatcaag 120
 aaaacaccac attcacctat ccctttggca tttttgcta taggaggatg ccctttggcc 180
 tatgcaacgc ctctggtacc ttccaacggt gtatgcttag cattttcaat gattttttag 240
 agagttgcat agatgtgttt atggatgatt ttactgttta tggatcctct tttgatgcat 300
 gtttggatag tctaaataga gttcttaata gatgcattga aactaacctt gtgc 354

<210> 13410
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 13410

ttgcatcaat attacatctc tgagggtaac taacagtga agtcacaacg tactttggct 60
 ttgatgttaa atcctgcaag cagcaactta atcaaatact ctgtatatag atgatatacc 120
 gcaataaaaa catcagagggc ctctccactc caaaaattta cagactggcc tcatatacaa 180
 acagaaaata aaaatcaagc tcgaataaaa aatgcacgtg gcaagcaaca taaattatct 240
 atgtcactat acttgtccca attatatcaa tcgtagatta ggggtgggat atttagtgta 300
 cttcatcgaa acaaacaaag aatctggtga aagcatgtaa ggcttcttaa caagttcata 360
 acaacagtag caggac 376

<210> 13411
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13411

cccacacca ccaaccaca acgaaagtgt aggcaaagca aactcnaac ttanatannta 60
 atcaaaantt cacaaaaaaa acnanaagag gagcgagctg agcctcgag gccnaacaac 120
 naaannaaan aacnncnaccn naagcccaaa caagaaacaa gagagaagga ccagtttccc 180
 tataacgaac ccaaacgagc acacggcagg cgggcggtga acccaacca cacgggacag 240
 aacccgagtt agcaagaaaa cagaaaacaa gctacgcacg ccgctgaacc catatcgaaa 300
 cacagcgaac agcaaccgag ggcagcccat gcgaagaact acgaacaggc ctatccatga 360
 taccacatc atcggaagag aaaaaacatc acggcagcgg gggccaccag gctactgcaa 420
 cccctcagca tggagctagg acatcgcgac cgacgatact ccaacgaaaa gcataaacia 480
 aactggccgg cgaacacagg cgacactccc gaacgcacaa agccaagccc caccgaaacc 540
 tcgaaagaaa ccaagacacg ggccctgacc accg 574

<210> 13412
 <211> 260
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13412

cacactgcan cancagggcg ggcgttccat ggcacagaa cgcacaaccn caatnctctc 60
acttggttatt ctctcatctg tctgtaaaac gtatgtgggc aatggatatct agcacaaaac 120
taagcttata gtcatttgtgt tactgtccat aacgaaacag tacatgaaag tcagatgccc 180
catctgacat aagcttccgt tgtctacttt ctctctatct caatcggcat cctactcaat 240
tagaacnaag cagtttatgc 260

<210> 13413

<211> 340

<212> DNA

<213> Glycine max

<400> 13413

atcaatatga caagacgacg gtgtgtagag tgatccaaga cgtacaaatg gacctccact 60
gaacttatta atatacagat cgagatatct taatgatgaa gagcttccaa atgatttacg 120
aagagcacca cccattcatt tgtgggagaa ccctatccgc tcaatgtata tagatgcccc 180
aacatgatct gtcggattga ctgaaagtcg agaactctga gctgcaagat cagtgaagttc 240
acgggatata cacggagcta gaattgctaa cagtacatta tcctgtgggt ggagtgggac 300
atatgacaag tatatcacc cccagtagca gacattaccc 340

<210> 13414

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13414

ntgattgccc atatgcacgc cactactggt aacggttcat attatataat caaatatata 60
ttgcgagata tttttcatct ccagagacac tataggaatc atgtctgcat atgattaatt 120
ctaatttcta catacgtat attgttcaca taagtctacc agacaataac tatatccaag 180
tgcacaaat tctaaatcat attagcgggt ttttgcata taccttctac aagtgcaga 240
ccacaaatgt gtgcaaagca agttagtaat gtgacatagg gacacaagaa atgaataaac 300

aaacttgaga ttgaaaataa tatatgtttt tggttcttta ataattgaac gcataacatt 360
gagctgaatt cccaattgca ataaaattga atctccagaa taatatgtct tcagggtaca 420
ttaccttgat tcgtcattaa t 441

<210> 13415
<211> 364
<212> DNA
<213> Glycine max

<400> 13415

atattgaaat gatgaatagt ttgtgatgtt tgtaactggg gtctagatat ggactagtag 60
actgcagcga acaattttga cagcagggtcc aattgttggg tttccaaagg ttagtgccat 120
ccttaagtca ggaaatatgg attgacaaaa gtatacatta ttagtgctcc tgcacttact 180
atctatatgt tagatacaat ggcgcgcact tgatgagata aatgccggtg tgtgtgatgg 240
gaagacatat gaagaaatca agaagaacat gccagaggag tacgagtatg tcacaaactt 300
gtaatttgtc ttatttccag ttgaatgcta ctggtacatc agataaaaaa aaccagtgcg 360
tggt 364

<210> 13416
<211> 383
<212> DNA
<213> Glycine max

<400> 13416

ttcttgggca acatacacac ttgctcaaac tcatgaaagg aaacacaaac tcaatcacag 60
tcatgcattc aattcaaaac caaatcatat accaattttc acacaaagat aaaagtgttt 120
tattgccata tcatcaaaat caagtcaaac tgttccatat acttcagaat aagcaaacca 180
actaccata aataaaacta gcagtgtata caaacataaa agaaatactg tactgaaacc 240
gtaatcataa taataataat ccaaaaagca aaaagcatca tcaggaatca acaatgtcaa 300
gagtgtataa attagggat aagtgagagc aacaacttct ccagatgacg aataagaaag 360
atcgataatt cctccaactg ggg 383

<210> 13417
<211> 413
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13417

acgatgaaga acgaacgaag aacaacgaag acggtgaata actttcatgg aattgatcac 60
aaaagcatta cggaagcgtc tcgactntga ttntttcctt ctttcatctt ctctcacta 120
attttatgtg atgtctgagc tatcaaggta ctgaaccctt caaactcagc cccttcacac 180
cattttataa ggaaaggggg gaggtggttg ccgcccact cgcccaggcg agctggggtg 240
cttcacctg aagcaatccc ctttctggaa tattctagat gggcctagat gggcccagat 300
gctaggtaca ccccaattt gattagtgc cccctatttt gtgttttttag ctaatttcta 360
tcggaaacat catgaaactt tatggattat acggcgacaa gtgtcaagca tct 413

<210> 13418

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13418

agttctgaga gattntgcta tgtgaggatc tacagagaag cgagtttgaa gcgaaagcca 60
ttctgatagc ttgagatgag tttgtgagtg attgtgagat cctagagggtg aaggagacat 120
cctcaccact tgtgtttttg tagtctttca tcttgttctt ctctttgttg taaaggaggt 180
ttccgaacta tggaaagcta aatcctttgt tggatcttcc ctgtaggtac ctgatgtaaa 240
tatatttcta tttatgtaat gatgctttgt gtgttctctg tgctatctgc ttttcattcc 300
agtggtcttt taccttgatc acgtagatgc atgctttggt agggtcattc aacagtggga 360
actggtctga ttttaagtcc tggatagta 389

<210> 13419

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13419

tcctgagtat gacagncacc gctctatgag cgctgtacac caccagcgct tcgaggccat 60
caatggatgg tcattttctcc gggagcgacg cgtccagctc agggacgacg agtatactga 120

tttccaggag gagatatgcc gccggcggtg ggcatcactg gttaccccca tggccaagtt 180
 cgatccaaaa gtagtccttg agttttatgc caatgcttgc ccaacagagg aaggcgtgcg 240
 tgacatgagg tcttgggtga ggggtcagt gatcccatgt gatgcagatg ctatcgcca 300
 gctcctgaga tatccgttg tgctggaag 329

<210> 13420
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13420

tatatgcaat gtggtacat gtcagtgaan aacctcgctg tgctctctan gaatacatga 60
 caagacaaac cgcacaataa taagtcaagt cactctcact aggtaatatc atagggagac 120
 cagtcagggt cacagtgttt tgcgagaatg ctccaaccat atgggatcaa cataggctta 180
 aaggagcact caaacctgtg gacccccaaag gcctacactc cgaagagtcc gtcagggcct 240
 ctccctcctg attcaggtcc aaccagaaa acattttagc acacagactc tatctatgaa 300
 ctgtacaaaa cacacgactc ctcaattgtt ctcaaaataa ttttaaccg tcgcccttta 360
 agggctttat cattaactcg tcgcccttaa agggacttag cattaactcg tcgtccttga 420
 agggacttat gatcgtgtga ttgtac 446

<210> 13421
 <211> 450
 <212> DNA
 <213> Glycine max
 <400> 13421

aacgctaaag gctacataaa tggaagataa agctgcgata aaagatttgc tggaagacga 60
 ggaaaacca tatgagaata ctgtaagttt taatatatct gatatttgtt attgtttagt 120
 ttcttgcaag cttttaaatt gtggttgcaa tcaaaattct tttaaaacat aaattctgaa 180
 aaaaaattaa gaaaaaatat gtgaccgatg caactataat tgcggttgac cttggtctct 240
 ccttgcttaa ttcgatttat tttcatata tactttatgt ttatatccat aaatttctag 300
 ataaatcaaa catatagatg tgtgtatgta tgagcagatt ttctcacaat ataacataat 360

tttgagttat taaatgattt ttgctaacta attacggaca aataaaaactt gcagatggga 420
tctactcttc taagcttgag cctgaataac 450

<210> 13422
<211> 276
<212> DNA
<213> Glycine max

<400> 13422

aaggagacat cctcaccact cgtgggtttg tagactctca tcttggcctt ctctctgctg 60
caaaggaggt ttccgaacta tggaaagcta aatcctttgt tggatcttcc ctgtacgtac 120
ctgatgtaaa tatatttcta tttatgcaat gacgctttgc gtgttctctg tgctatctgc 180
tccccattcc agagtgcttt taccttgatc acgtagatgc atgcttagtt aggggcattc 240
aaccgtggga actgtgctcg atttaaagtc ctggat 276

<210> 13423
<211> 251
<212> DNA
<213> Glycine max

<400> 13423

tatcctgccc atggatagtt atgatcgagc cttgggcaaa tgggtcccaa attgggaatg 60
accgttcaaa ataattcaga tctattcgaa tgggtgcttat gaatcacatg aattaacccc 120
tcagaagcgt actttgagta taaatggtga atatttgaaa agatatagac caacatatgc 180
tcgaagataa tatcacccctc taataggaag acattatgga aacataaaaa tggacgatac 240
acagtcttat t 251

<210> 13424
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13424

ctataaatac tcagctgccg cccatctcgc ccaggcccag tgggcctggt tgtttttgcc 60
ccccttttta ctcaatgcac cccctttcta tttttttgta attctttttc cgtaacgtta 120
cgaaactttg cgaattttgt aacgatactt attttccttc cgcaagggtta cgaatcctta 180

cggattatgt atttactttt ttttagcttt cgaagaagtt acgaaaactc atggattgcg 240
 caaaaacacc tctttttgac ttccaccaca ttacggaatt tcacagatcg cgcaagcctg 300
 cttccttttg atttctgaga cgtctcgga cttcatttat tgtgcaacaa aggacgcaa 360
 gtatctcaaa gcggctaacc aaagggtgca tgtcatcaag taataatccc cggatgaaat 420
 tanggtatga caggctttta 440

<210> 13425
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13425

tttgctctat ttgaacaaat ctttctgcca tgtcactcat tactgtctgn gatcttattt 60
 ctgtgcccac gaatgaaaag attctgggtct agtggccgta gacagccagc tctgaatacc 120
 aactgttata ggatttaggt gggaaagaga aagaaacaga atgacagaga aagaaagagg 180
 caaagagaga agaaaaggat agagaggata gaagggaaga gaaacaaaga gctcaaggaa 240
 atatgctctg cactatgtga ttatcatttg gtctctctaa aatacgacag acctgcctta 300
 ttatagacag ctaccaata acctaacagc caagagacaa cagtagctga ctaaaactaa 360
 caaactgaca tcccttttct ttttatttac atattatata caatgaaaga ttaatatcag 420
 attagtcagc cttacaaa 438

<210> 13426
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13426

tagtcaaat caatcattga ttaacctcca agcaaagatt gaagctntag ctaggaattt 60
 tagtttccat aggtcctgaa gcgctccatc cagatttgcc tccactaaac tttcttgag 120
 caagttatag gccctccttg tagagtaata tccgttaggc tcagatttcc acatccaaca 180
 atctgttgta tgttgctgga ttgcaatctg tgagatgtct tccataaaac ctacagccga 240
 tgcgatttca ttatcaaaca aaggccttct ccatcaaagg ttccattccc atgctgagtc 300

attgaaactt cccacttgct ggatgagttt atg

333

<210> 13427
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13427

gaagaacgtc gaagaacggg ggaaaccttt gcgaaattct tcacggaaaa cgttacggaa 60
acgttttcgga agcgctcgg cttagatttt cttcacggaa acgatttttc caagcaaatt 120
cgaaagagag agaagtgcc aaggggctga acccttttct tcttcacttc ctcccctatt 180
tatagcaaaa taggggaggt ggttgccgcc cagctcgccc aggcgagcca ggttgcttcc 240
tccagaagca acagccttct ggaggaatat tctggagggc ccaagtgggc cttgggtgct 300
attgcacccc catttttact aagtacaccc gcctctgctt ttttggtgat ttctttttcg 360
tanagttacg ganacttacg aattccgtaa cgatac 396

<210> 13428
<211> 325
<212> DNA
<213> Glycine max

<400> 13428

ccctgtcgc ccctattctt taggcgttca caccagtgga agaaacgtag accaactgtc 60
ctctcttcaa tacaacctcg attctttccc cggcaaacac caaatccgag aagctggacg 120
gcatgcaacc cactagcttc tcatattaca aactggcag agtagctacc atcatggtga 180
tcatctctat ctcaacctg ggaggagcta cttgtgccat caaatcctt catcactgag 240
catagtctat aaaggatcca ccctctatct taaacatatt ctgcagacga gcacgggtcaa 300
gagccatata ataatagtag tgata 325

<210> 13429
<211> 376
<212> DNA
<213> Glycine max

<400> 13429

ataggggaga tattaaaatt aaattaaaag aaattaatat attaattattg gacgataaat 60
 actttcaatg cattttttgt ttaattatatt attaattctt tttagttgaa aataatatag 120
 ttttatttaa catatacatg ttttgtgccca tgcaaatatt aatatcgtgt gatgtttata 180
 tgattcatga ggtgtgagaa catgttgcgt tgggattata atattgtgat tgagattgag 240
 tataagtgtt tggtaatac ttgatgtgat attatttgtg ttgtgaattg tgaattatac 300
 aataactcga ctggagtgtg ccttgagata agtgtttatg cgcgaggatt acctaagata 360
 aggattacct aaatta 376

<210> 13430
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13430

taggacaatg tccagtctat ttcaattggt acccaaaca tancttgagt ttaatggata 60
 gaatcattcg taactctctg ttctaaaca tccactttca tggacatgac atgaaagaag 120
 gatcaatccc aacagcattg atatataaga ttcagtacaa ggtcatgaac acttgtgcat 180
 aaagagtcct tctaaaacca caatgaggag agacaacttt gtttatcact gacatgacaa 240
 aggccaatgt ttctctccca agagccataa aatgggatga ggtaactctt cctgaaaaat 300
 aggtcatgga caaggccact ccgtcagtc ctggatccgc tccaacatag aacaaattaa 360
 gcaagacaac tccggtgaagg tagaaataac cttccatacg agaaattatc tttcatcaag 420
 actagaagcc tcaagattcg acaac 445

<210> 13431
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 13431

ctaagctctt ctattttttt ggctggaaaag ccaaaggggt ttattctttc agggaaacagc 60
 ttgaagactt gggaagaggt tgtagagaaa tttctgaaga agtactttct agagtccaag 120
 acaactgaag gcaaggcaac tatctctca ttccattaat tcccaaatga atccctgagt 180
 gaagcgcttg agagattccg tagcttggtg tgaaaaacac caactcatgg attctccgag 240

ccgattcaat tgaacatttt catagatggg ttgagatcgc agttcaagca gttattggat 300
 gcttctgttg gaggaataat tatattgaag acccatgaag aagcaatgaa acttattgaa 360
 atatggcagc tagtgatcat gcgaatttgc gtgataggac tcatgtaccc acaaagagaa 420
 gcctactgga gctttcttca 440

<210> 13432
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13432

tgaaggatg aaagaatgct tcgttcaaaa gtnagnaact tcaatttttc aactcttcta 60
 gtatttatag gtttcacaag tgtttggtgt ctctaaacaa tcttcaaatg cgtctaattgt 120
 agtatatgga gaagggtgtg gttgggagca ctaaagcat gtcctttcca tactaataaa 180
 ctattatggt tatcttcctt gacctacact cctactatag tttttagtgg tcaaataaac 240
 ttcaaagtga gaacaagtat gctaataaga atgacatgac tttttacgtg aagaaactat 300
 tttaaactga ttgttatctt attctattca ttctagacaa gtcataaggaa gaatgtttta 360
 acattcttta tacaaaagat caagagatca taatattaac ttagtctttt aataacattt 420
 aatgtttgtt ggttttcatc 440

<210> 13433
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13433

tgctanagaa ctgaggagaa atgacaatgc ggccgattga ttttgttata ctaacgagca 60
 catcttaagc gcttactgcg cacaacggag gcctctcgcg aatgaggcgg ctatgcctgc 120
 ttctgatgac gcatggacac ttatccctga cccgactaca attcttgcca aaggctggac 180
 gaaatcagcc acgatcagag gtgatatgga ttgggtccca ccatctgagc accgcacaaa 240
 atgtatcata tgtggaagcc aaaggcataa ccagcgtagg tgggcaatgc aatcttaaca 300
 tgataggtga tcgaatcggt gattcatgta tgttacccca ctgatgtgca tttgcttac 359

<210> 13434
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 13434

tgccaaagct atcactgatg aagatcgagg tatgtatagt tttgggatta ccaaaaaaga 60
 tacaaaggat tatggttgag caatagaaga aaaaaaatac aaggaagcaa tcacagaaga 120
 aggaagaaga ggaggagcta tttgcatggg agcacaggac aatgaagaga catgaacaat 180
 gtaatgcgtt caccagtga aacatcagta ccacaaaggc tgaagaacct gagtaagact 240
 aatgaaaatg acgaggggtt tgtacaaaca gctttccaaa agagaaaggt tgtagcccta 300
 gttgcccctg cccagaatg agctaagacc gtccaacatg cttcagaaac tcaaagaacc 360
 tatcattctt tctgtcatat ccagacacat tgtaacaagg gctacaaatg ccaatgccaa 420
 gattggtgaa aatgaatgga tag 443

<210> 13435
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13435

ataatcatca ncaatcagcg ggcgtatgtt gttcaaaaat aaaatctcaa catcatctat 60
 tatacaaatt tacataatat ataataaaa gctagtccat aaaccaatcg agtcaaatta 120
 tacataattc aaatgaaact tatatatgca atcagtgaaa atagtaacgt aattagttca 180
 gaacattaag ctgatgaata agttcaagga gtgaatcatc ggactcaaga ccgaatgact 240
 aaatgcctat atagtttagt gtaggtgtta tccgtatcaa tagaatcgta ggactatccg 300
 gcagagaatc 310

<210> 13436
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 13436

tataagctga accattttat caataaacac atgttgTTTT ttattcagaa aattagagtt 60
 tatctctttt atcttagtga gaggattct cctaaattct tgagtgattc aagaacaccc 120
 tggctgtatc aaaggacttt cacaaccttt gtgtgtgtgc ctgctggaa agagtgattc 180
 tttccttcca atcatctcca ccttggttct ttcaaaccac aattccagaa aatccacctc 240
 tgcccaaaat tatctcgtga ccataactcc ctttttacac actcacatta agtgattctt 300
 gagcctaaat tgaatttcaa aacgagacct ttcacctcgt tttggaatca cctcatttgg 360
 agccctgtag cttccgttat tgccatttct atatttctgt ccagccacca cttaacctat 420
 cgttttacca 429

<210> 13437
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13437

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 tcatcaatca tctttgaatc atctatcttt caatcttttt caacatcatc tctcaaacat 120
 ctttcaatca atctttcaat atctttctac ataattttct gattcatttc tcttcatatt 180
 tctaaaagtt ttttatcaac actttctctt ccaagaaaag ttctttgttc aaaaacttat 240
 gctattcatc tttttcgttc tcttctccct ttgccaaaag aacgaaggac taattgcctt 300
 aattcttttg tgtctctctt ctcccttaca aaagattcaa aggactaacc gcctgagaat 360
 tctttcgatt cttctcttcc ccttaagcaa aatatttcaa aggactaacc gcctgagaat 420
 tctttngatt cttctcttcc cctta 445

<210> 13438
 <211> 302
 <212> DNA
 <213> Glycine max
 <400> 13438

acgacaataa ctttggactc ggatgtgtga ttgtttcccg taatatatcc gaacgctcga 60
 agttgaatgt tgaagctctg agcatatgca aacgacaata acctttttac tcagatgtcg 120
 gatggagtcc cgaattatat ggagacgctc gaaatgtaat cccgaagcat ggatcaaatt 180

caaacgacaa taacttttga gtcggatgtc cgattgagtc ccgcaatata tcggaacgct 240
 cgaaatggaa tgtagaagcg ctgagcaatt ctaaacgacc ataacctgtt actcggatgt 300
 cg 302

<210> 13439
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13439

agatcaactt gatgttctat gcttcttgaa agtgtcagtc catgaggaat ctcttgga 60
 aagacatctt taaattcctg caataagggt tgaacactag gagaaacata aatagttaac 120
 tgattagaat tatcactctc tctctcttgt gtatcactct tttctcagg tgtatcactc 180
 ttctttttcg tattccattg tgggtgcctca ctattttctt tctcttggtc aatttcgagc 240
 gtctcgatat attatccgcc tgaatctgac gtccgtgtga aaagttatga ccatttgaat 300
 ttctagagag ctttcgttgt tcaatttcga gcgtctcgat atattatgcg cttgaatcgg 360
 acctncgagt gaaaatctat gaccatttga a 391

<210> 13440
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13440

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 attgtgtgcc gtagtatatc gagactcccg taattgaaaa cagaagctcg tagcaaattc 120
 aaacgacaat aatattctac tcagatgtcc gattatgtcc cgtagtatat ccatacgctc 180
 gtaattgaaa acagaagctc gtagaaaatt caaacgacaa caactttcaa ctgagatgtc 240
 cgattgagtg ctctaataata tcgagacgct tgaaattgaa agcagaagct cttagcatat 300
 tctaaggact ataacttata tctcggatgt ccgattgggt accataatat atcgagatgc 360
 tcgaaattga caatggaagc tcgtagcaaa tactaacgac cataacattn tactcggatg 420
 tccgattgtg acccgtaata ta 442

<210> 13441
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13441

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 atcatcctgc ttggacgaat gagaaaactg gggcaaataa agaggggtgag gatgaggagg 120
 aaacccatgt tgtgactgcc atccctgtac ggccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa cctcctcctt acccaccacc cagttatcca caaaggccat 240
 ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc acctttagca 300
 caaaccaaaa aacaccaacc aagaaatgaa ttttgcagcg agaaagcctg tagaattcac 360
 cccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
 cataacccta gccaaagggtc atcaa 445

<210> 13442
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 13442

ggcgacgcaa tccggaacgg tccacaagga ataccgggt cccccacttt atttgagaaa 60
 actggaaacc aaaaatgcga ctacaacttt agtgaaagtt gggagtgttt taccgagaa 120
 gattacacc cactcgtcc gggacgagct tatcaatgtg caactgattg atttatgtcc 180
 ttttatgttt atcctttata ccctttatat ttttttggg cgacaggggt ccttgtctat 240
 attctattgg agagaatcaa ctactgtctt ttataggatt ttttacttaa ggacttt 297

<210> 13443
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 13443

tccggagtat gatagtcacc gctttatgag cgctgtacac cagcagcgct tctaggccat 60

caagggatgg tcgtttctcc gggagcgcgcg cgtccagctt atggatgacg agtatacaga 120
 tttccaggag gaaatatggc gccgacgggtg gacatcactg gttactccca tggccaagtt 180
 cgatcaagaa ataatccttg agttttatgc caatgcttgg ccaacagagg agggcgtgcg 240
 tgacatgaga tcttgggtaa ggggtcagtg gatcccgttt gatgccgacg ctatcggcca 300
 gctcctgaga tatccgttgg tgttgaaga gggccaggaa tgtgagta 348

<210> 13444
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13444

atttagtaga tgaagatgaa tccatggtct tctcttggac tctcttaaga acaataacat 60
 cattgcttac actgaattgt tgggagttgg aagccatctt ctcaatcaaa ttcctagctt 120
 cagcaggggt catatcacca agagctccac cactggcagc atcaatcata ctctctcca 180
 tgttgctaag accctcatag aaatattgaa gaaggagttg ctcanaaatc tgggtggtgag 240
 gacagcatgc acacaatttc ttgaatcttt ccagtgactc atacaggctt tctccactaa 300
 gttgattgat acctgaaatg tcttttctga tggcagtggt cctagatgca aggaagaatt 360
 tctccaagaa caccctctta aggtcatccc agctgaaaat ggacctgg 408

<210> 13445
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all nlocations
 <400> 13445

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 aaaagatgag tttctcctac ttctttcttt ataccaacac atgtaacatt agagagagaa 120
 atagatagga taataagaag tatacatata ataataata agtaatatga tttaataaaa 180
 agatggagag acagagagaa atatatagct agtcaatatg gtccttaaag tgtattgatg 240
 tttcaagtta atcgctaaat gttaataaac taatttggtt ttttgaaaag tagtgccata 300
 tttcacattc gtgtttcatc ttagatagat agatcatgta atcattaaaa agtaattaag 360

ttcttgcgcg catataaaga ctaaattgta tnttaatgag aataaatatg gacatatctg 420
acacaaacta tgaatgtga 439

<210> 13446
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13446

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tcctcggtaa aaatgctatg cagcctttgt taaccggttg atcttcgcga aatttgttct 120
gcaatttcaa aagacaattt tccatgatct gaccgttcgg atctttgaga agatgtctgt 180
agtgtgctag aagcctctta atgaagcttc tagaggaagc ctcttaatga agcttctaga 240
ggaagcctct taatgaagct tctagagaaa actacatgaa gctgcctcgg taaaaatgct 300
gcccagccta cgtaaccgt tgaatctttn tgaaatttgg tttgcaactt cacaagacac 360
ttttccatga tctgaccgtg c 381

<210> 13447
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13447

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atctttgcaa aggtatttaa tgattgtgtt gttgtaagtt acaccgctct tacatctctc 120
tcaacaactt caaggcagct cttgtttctc caactttgca taacacattg atcaaatcan 180
agtctgtaa ctaacttgat ccagttgaaa tccttcgggtt gccacattgt catgaaagtg 240
tagtgctttc ttgacctcaa cagtgcagaca taaaccattc atgagtgtgt gaaagatatg 300
atgtctgcga taaccatct tgagaaaggg caatgttatt tgaggaggat gatcatagta 360
acattgctat 370

<210> 13448
<211> 356
<212> DNA

<213> Glycine max

<400> 13448

gatgaccaag agtcatgag agtcaaagaa catccatctc aagagaatct agaacaagtc 60
aaagagttca agaatcaaga agaattcaag actcaagaag aaagcctaca aacaagaatc 120
aagattcacg atctcaagaa tcaagatcaa gattcaagac tcaagattca agaatgaaga 180
aaagactcaa tcaagataag tattaataag tttttcaaaa ctttgaatag cacatgagtt 240
tttgacaaaa cctttaccaa agagttttta ctctctggta atcgattacc atattgttgt 300
aatcgattac cagtagcaaa atgagtttga aaatgttttc aaactgaatt tacaac 356

<210> 13449

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13449

agcaaatcc tgactcccta taccttgacc agggttttta tgtctatcct tactctcgga 60
agcgagaaga atagaacgga tatntccaat caaagataag gaaagaacga agattttcaa 120
tcaaagagaa agcacaatag ataagaacga caattcccca atcaaagagt gggagaaaagc 180
aaaaagaaaa gaatgaaaat tcccaatcta agaatgggag acagtaaaaa aggaagaata 240
tgatggaaag atagctctg atcagggatc gaacgaaaac atatgatatg tgcagatagg 300
tctttggacc ggacaatatc tgaacaatac agaattttca ccaaataaac aaaaagaaga 360
aaggaaacca cgacctataa tgggtcttacc cctttgatta cca 403

<210> 13450

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13450

aactaagcta ttcaactctt aaatactacc attacataga caatgattcc tcattttgtt 60
gacactnttt aacatggaac ttgaaaaagt ggggtctaaag ctcaacgaga ctctattatt 120
ctatgggtgcc aggcattttt ttcaatgagt cacaaactat ataccataa cttattagaa 180

tcttctgaag gaatgttgag tttgtcaata agaagacgat agcatccaag gttctaggag 240
tcaaagttgt attgtccaac aatactcgcc aaggcaatag ggtgccttcg tgaaggcaat 300
acctaccaag agagatggga gaagaactat gactcccatg taacaagggc actctatagg 360
gaaaatgctg agaatatatg tgatcaaaag actatagtaa acggcattat gtgcgagaag 420
gctaagaatt gggccaacac tctgaataag agtgttct 458

<210> 13451
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13451

agcttinctt cataccact tcatcaaag tcatgttaca acccctcacc gnccattaaa 60
cactgttgct caatctccac cgaaagggtg catgccttac caaaaaccac cctataggga 120
gaaatcccca aagggtgctg gtaagcggtc ctatgggcct atagagcatc ctttaagtagc 180
ttgctccaat cctttntgtt gggctgcact agcttctgca acacttggtt tatctctcta 240
ttaaaaacct ccgcttgctc attagtttat ggatgataag ctgcaacaat tgtatgaaca 300
acccatact tttggagcaa ggatgccaat gacttggtat agaagtggct cccttgggtc 360
ctgataatgg ctctaggctg actacaacct gcaaaaagtt agatctcaca taatccacaa 420
caac 424

<210> 13452
<211> 197
<212> DNA
<213> Glycine max

<400> 13452

agcttaaata tgtgggtagg attgtgctca cacgcttaac acaaataaa atctattagt 60
gcgcataagt gaatattggc ttagcgcgct aatatcattt aacagatgaa ctgaaacggt 120
gcacttgatg aactccagag gtgcgctctg acagataatc ttcttctgga tattttcttg 180
cgcttagcca ctgagtg 197

<210> 13453
<211> 268

<212> DNA
<213> Glycine max

<400> 13453

atattatgcg ctggaatcga acatccgtgt gaaaagtgat gaccatttga gtttctcgag 60
agcttccgtg gttcaattcc gagcgtctat acatattatg tgcccgaatc tgaccttcgt 120
gtgaaaagat atgaccattt gaatttctcg agagcttccg acgttagatt tctagcgtcg 180
cgatatattg aattcctgaa tcggagctcc gtgtgaaaag ctttgaccat atgattttct 240
cgaaagctat cgtggtcaat ttcgagcg 268

<210> 13454
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13454

acacatagaa actcaagctt cttaggaatc ttcttaagaa gtttctcagt gttgtgagtt 60
tanttatgaa aggggtgtgt gtagctaagc tctagcttct caaggaagtt ttctcaaaga 120
agcttctcaa ggaagttttc tcaagatagc ttctcaagga agctacctag tctataaata 180
gaagcatctg taacacgtgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 240
nagttcaact tctcttctt tttcttctt caatttcgtg ctccccctc tctctttctc 300
tccctctttc ttttctcca ttgaagcatc ctctccaagc ttcttatcca aggetcatct 360
tggtggtgaa gtccttctt ccatggctta ttcctagtgt gatggcgcca cctcttacct 420
ctctctctt atcttccgct gcatctccat ggtggaaaat cacca 465

<210> 13455
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13455

tagaaactca agcttcttctn ttgtttgcta agagacggac ccaagatgtc tctcctttct 60
ctgngcatga acggaggctg tctagcgggc aagcatgcct cacctctcgg cgaacaacgt 120
gtgaaaccaa ccatacataa agagccggag tacaacaaac aatcctcgta ctgctcttct 180

cacatcttcg gtcgagagtg tcatatatgt cagctagcat agcgacaacc gagctttcct 240
 tgtggtcatg ataagcaaga aaagcgacga tcgctgctgc gtccaccaac ccatccacat 300
 gtggaaagag gactcctccg aagctcaaca gtgcgagaat gtctatgaac ggtgcccatt 360
 cgcctctacc tgccaagata cttgcctatg cctataagca ttttctcagt attccaacca 420
 ccccatcttt gacttgctct ctgtggtcta attcctgcgc cgaga 465

<210> 13456
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13456

tacaaactca agcttgccctc nagaggtcca ggaaggacaa ggctgcttga atgaactatt 60
 tccgctccgg agtacgacag tcaccgcttt atgagcgctg tacaccagca gcgcttctaa 120
 gccatcaagg gatggctcgtt tctccgggag cgacgcgtcc agtcatgga cgacgagtat 180
 actgattttc aggaggaaat atggcgccgg cgggtgggcac cactggttac tcctatggcc 240
 aagtttgtcc agaaatagtc cttgaattta tgccaatctt ggtcacatat gtggcgctgcg 300
 tgaatgagat ctggttactg tcatggatcc gttcatgccg cgctatcacc acttct 356

<210> 13457
 <211> 444
 <212> DNA
 <213> Glycine max
 <400> 13457

tgtatgagta ctgagaaagg ttcattatat tgtgtgcaag ctgttctcac caccagattt 60
 ctgagcaact ctttcttcaa tatttctatg agggacttag aaacatggaa aggagtatga 120
 ttgatgctgc cagtgggtgga gctcttggtg atatgacccc tgctgaggct aggaatttga 180
 ttgagaagat ggcttccaac tccaacaat tcagtacaag aaatgatgct attgttctta 240
 gaggagtcca tgagggtggc acagattcat cttcatttac tgaaaatgaa aagcttgaag 300
 gaaaacttga tgccttggtc aacctagtaa ctcagcttgc catgaatcag aaatctacac 360
 ctgttgcaag agtctgtggt ctatgttctt ttgcataatca ccgtacagat ctatgtcctt 420

ctttgcagta atctagagtc aatg

444

<210> 13458
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13458

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tggagctttg gaattgtttt gggaataagt gtggcgggtt tttgtttcat tggataactt 120
gttttgggcc atacttgatg tacattgtat attggttaaa tgttggacat gctgaatgaa 180
atgttgtttc tcaaaggcta taaataaaaa aaattcgaaa aaagaaaaag aaaaacaata 240
aagttgagtg aataagatct taaatggcac agaagatgat aaactcttgg ttctactctt 300
tatgtttaaa tnntatcttt acttcttttt attttcttat ttttcttaa tatgcactta 360
ttccccatt 369

<210> 13459
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13459

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ttaaatttgt ttgttttta ttaaatttaa attttgtttt tgtttgtttt agtatgaata 120
tccttagaaa catatacccg cataccaaca tatatatata tatataatat aataatataa 180
gaatntataa attgtaaatt taaaatcgat gtaaaacatg tgttattata ttaataaata 240
aatatcaacg gcttgcatga tgatttggtt tgtgatcccc gcattgctcg cttatttgtt 300
ttcggttgtc tcttcttttt tctcaacgat tgtcttttat ttttctccga gtttctctt 360
tatgctaca 369

<210> 13460
<211> 437
<212> DNA
<213> Glycine max

<400> 13460

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gtataaatta ctgggaattg gtcactacgt gtgttgagct gaattttttt actggatttt 120
ctagacatct ggaacaaaaa tatgaaaaaa gaaccaagca attcggatta aaggaaaaaa 180
taagaaaaat cacacaaatt ggcagaaaaa tcagtgtcca agaaaaaaa agtgaaaggg 240
aagtgtgctt gttgttttag ctgaaaattt gttctataat tgggtgcctat tttataccaa 300
tcttagttct gaaatttcaa ttgaaaatta ttatgaaaac aagtgcctaa actagaggtt 360
tcttgagtct ttattttttt tatgagtttt ctactctact ctagagccat tctaggtttc 420
actttgagtc ctagctt 437

<210> 13461

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13461

cctgactcac catagacatt gaccaggggt gttaatgtct antcttacc cgggaagcga 60
gaagaataga atggaaattc ccaatctaag aagagaaaag atggaaaatt cccaatcaa 120
agagtgggag aaagcaaaaa gaacagatag acaattccca atcaaagaat gggagaaagt 180
aaaaaggaag aataataatg aaagatagct cctgatcatg gatcgaatga gaacagataa 240
aatgtgcata aatgtctttg gaccggacaa tatctgaaca atacagaatt gtcaccaa 300
gaacaataag agagaaagga taccacgacc tataatggtc ttctcccttt gattaccaac 360
caaa 364

<210> 13462

<211> 372

<212> DNA

<213> Glycine max

<400> 13462

cttattaact gtcttggtt ttggccactc tacattgtct ttcgaacctc ctgtacgttg 60
atgtgaccaa tggtgttatg ggaatgttgc gacaatcctt cagaaccttg ttgatacatt 120
ctgagaggtt gggtgtcatg tggccatata gacgtccttc tctatcataa gtcacgtcc 180

atttttcctt tgaaatgcga tcaatccatg ttgctatggc tggactcaat tcacaaaagt 240
 tttctatatt gtgatcaaaa atgtgcttgc taggagtgtg ggttgataa aattagttat 300
 gaataacatg gatgagtata tacgaaaggt gaatgaacgg gaccatcaaa tatgaaatct 360
 taccagttt ct 372

<210> 13463
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13463

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 attggtcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatatgtc ccacgatttc cttgggtatt tatcaagcta gttatgccgc cattcttttt 180
 tcctaaaccc atcccgggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240
 tgcacgggac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
 aaaagactgg atagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
 tgggcaactt accaagatat cttcctcgcc tgacacgatg accaagtgcc cctncactac 420
 gaatttcagc tnttggtgga gt 442

<210> 13464
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13464

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 gtcccaaggg cccatacca caaaaatcaa aggagaaaga agtccacca aacctgaatt 120
 ttcgaagtcc cactcgtagc cagcacttc acgaccccgga aaatgccctc ctttcgcat 180
 ttggggcaga aatgatggcc aaagggtgaa gctatgcttg gagcttcaat ggagaatgaa 240
 gaagaagaaa atggcaacgt gagggagaga gagagctgtc ttgaaagtgt ggtggctgag 300
 tgaagagaga gaaaagcttt ttgggtttta atagaaggg gtttctcttt gtctattatt 360

gtattcaagc tctgccacat gtccttatta gagtggagcc taaagagcnc actttccctt 420
 tttactgtga cccacactca gccaca 446

<210> 13465
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13465

aacaatgcac taggagtgtg attagagctg tggtattaca tgtatngtgc caaatatgtg 60
 gaacttttga gcactactac aagcaacctc tgcataca cactttttta aaaccactct 120
 tgctcggctg cttactgtat caacttctgt ctctgcttcc tttagagggtc caaaacgcct 180
 aacattttta ttaaggtttg tttctgaggg aacagaaccc aactcagcaa agttcataac 240
 aatgtcagca ggggcattct catctatata accaggaggg tntgcacgag cctcaatgtg 300
 attggttgta gaatactgtt tcttgaata 330

<210> 13466
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13466

ttggctacaa cctnnagctg cccctgtggc aacttcaaaa attcaaagaa ctcgagatc 60
 ttcacagtta taacaatgga gtaccaagat ataagtatca gagtattaaa tacaataagc 120
 caaactcata atcaagaaat aatcaaacca gaattcaaat aacataaaat gtcaacaacc 180
 acaaaatata caagactgaa atttaaaaac acaagataaa taagcaaagt acttagcata 240
 ataatgtaaa ttctaagaaa ctaaaagcca aaatacacgg cttataaaaag ataaatatc 300
 agaactctaaa atctaagaag acggaggagg tgggtgaaga tcgaaactct gacgaatgta 360
 tccgacatcc tcttcaagct gtgtaagacg aatgtccata ccggcaaagc gtgaatctaa 420
 cgagtcaaag cggtcaccaa cata 444

<210> 13467
 <211> 425

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13467

cttatattgc tggccgattt ttgtgttgtt aaaaacttgc tttatctcgc cattctttta 60
 tggagtgtca ctgtatTTTT tttccctttt ttctcttacc attatcttct ggttagttct 120
 tgaaataatt ctaaggaaca aacatttgtt tgtatttgag tgagtgtttn taaaagaatt 180
 gatgtgatct aggtttgaat attttcattc tgaaagtatg tcattagtaa agctctataa 240
 aaaaaattat tcaacacaat taaatttgct tccactcaaa atcaattcct ttacatgaaa 300
 ttaaacaatgt aaatatttat ataaaattat gtttgcggtt tttcgatgtg atttgtgaat 360
 ccaaacacgc tatttgagta tttaaagttg agacttgaga cttgtagttt taatcgtcta 420
 tgatg 425

<210> 13468
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13468

tgcttgatgg cacgtgatcc atggaaagga taatttcttg ttgatgttgt ttctttattg 60
 gtaaagatag agcctatgtt acagagatac taaacggctg tggactacat gctgatattg 120
 ggatacctgt tcttatagag cgtagcctcg taaaaattga aaagaacaac aaacttggaa 180
 tgcacccctt acttcaacaa atgggaagag agataattcg tggaagttca ataaaggaac 240
 ttgggaagcg aagtcgattg tggtttcatg aggatgtact tgatgtattg attgtcggtt 300
 ttgtagagga aattattaaa aacagaggag agaagagaga caatacgtat gtggaggaaa 360
 tagaattatt ttattctaatt tcaaattggt ctcagtagcg atacaataaa tagcanaaga 420
 taaactaatt agataac 437

<210> 13469
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 13469

gtaatacaac attcaacagt acagattatc acagccttca aaacatggca aaggcagaga 60
actctgcccc taacaccaac cataatcaca acttttctca cttatagacc ccagtaacaa 120
ttccttcggtt ccaattcggtt aaccgttgga ttaactcaaa attnttactg gaagtctcta 180
gtacttaagc ctacattgtg accgttgga tctactagcc aacatccaga actcattctg 240
tactactctn tccacagccc accacacaca agcatttttc tgcacaaagc caaaattctg 300
ctgcacctat ttgacagcaa aattctgcat aagtgcagat ttcgaaaatc acactttctc 360
tcatncaatc ttacccaaat caaatcctac aagtcccaa tcatgtatca atcatgtcta 420
aaccanagtc aagctntaaa gcaca 445

<210> 13470

<211> 374

<212> DNA

<213> Glycine max

<400> 13470

atggcgccctt ctctaacctt gtctccttaa tcttctgctg caactccatg gttgaaaatc 60
accattgaat gacctcattg aagctcaa atccaacctc catagaagct tctcaagcaa 120
gtttccatca agtggttaatt agagcacaag agcttcaagt aggtgctctg tacacctcca 180
ttaacctcca ttggtgtttc ttcatttttc tccatgtatt tactcacata tcttgtgctg 240
aatgttgta acatgatttt ttagaatttc caccaattaa acttgctata gaagctagat 300
ttgatcttct atggatcaaa tatcttgaac catgaattgg gttgagtaaa gttcctttga 360
attttgcttg ctat 374

<210> 13471

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13471

tcaatcattt gcaaatatgc atgtgtatta cgactcatca nctttgaatc aagccaaggc 60
tattgtgcaa gcgatcaatg gggcaaaaca caccaaatga ttatgatgat ggatggctca 120
cattctcaca aaggtgaact catcactttc aaattaagct ttcaaaacta tcatgacatg 180

tagaggagaa tcaaggatgt caagtcacaa aatgtcaaaa acttttattt tcaaaacaat 240
 taccatttc ttgaacatat cctataattc aaagaagaac atgcaaagtc gtacatgcac 300
 acaaaattga cccaaaatgt taaactaaca atccgacgaa actaacaaca ttaacaaatt 360
 aacaaaacca tgataactag cataaccaa gaacactccc cccctactta aacaacacat 420
 tgtcctcaat gtagcaca 438

<210> 13472
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 13472

actcagcttg aggattatgg gacccatcac atgtggttct atgtggttgt cgggcatgg 60
 tgcacaacaa gttttccaca tccacaatgc ggcataaac ccaccatccc ctgttgccca 120
 cctccatctg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180
 tccccatcaa tcctctcaag ctccacaac atccaagcaa aacaacattc aaacagcaca 240
 agctatcaca gccaaacaaa acagggcaaa ggcagaaaac tctgcaaaa caccaaccaa 300
 atcacagctt ttctcactta aagaccccag taacaattct ttcgatccaa ttcgttaacc 360
 gttggatcga ctccaaaatt ctactggagg tctatagtac attatcctac attgtgaccg 420
 ttgggatcta ctagcaaaca tccagaacgc at 452

<210> 13473
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13473

tgtagatcaa atgtccaatg tcaaggataa attttccaat cctttgtcca ttgtaagatt 60
 ttgataaatt cgaacctaaa gtctaaccac atagataagt ttaagggtttt tttttttcac 120
 cataattttg gtatgaaata tccatcaaga tttattgata actaattttt attagaaaat 180
 ctaactaatt acctttaatt ggatctcctt ttttaacaat attttttcca tctaaaaaaa 240
 attataattt gtgaccttat ttatggagac tgattccagt tatacttgga cacgactaga 300

gctatagggt tgacctaata gtcaaaagag aagagaagga atatgagggt atatagttga 360
 attcttcctg ctaataaaaa ctaacacatg ataacanata tttgtctaata aaaaaaaact 420
 tttagtatgt tta 433

<210> 13474
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13474

cttatccaag aaacactctg attggtgggt gagagctttt ttccttccat gnnngcttat 60
 tctttaagtg ggaatgacac nntcgcctct cacnctctnt nntccttta aatcttccgc 120
 nntgcaactc catgnnngct gaaaatcanc cattaaaggg gaccttanng tgaagctcan 180
 nagaatccaa cctccattta gaagcttctc gaagccaagc cttccattca anngtggtat 240
 gagaagccac aagagnnctt caagtagggg ggttccctta aaacacccnn cattaatttt 300
 catgttttac cccttctcct ccattattgg tttcttcatt ttttttccat gtatctcctt 360
 acatgtcttg tgatgaatgt tgtaacatg attnttttag aatttccacc gattatactt 420
 gctatagaag ctaaatttga ttntctatgg ttcaaatttc ttgttcttgt tcttgaacca 480
 tgaatcgtgt tgagtttaag ttcctttga 509

<210> 13475
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all nlocations
 <400> 13475

ctaagcttga tgcaacattg gagaggtaat gaaacactag atgattatta acatgtnttc 60
 tcatgcaacg actatgatga ggacccaaaat gtgaagcttg ctgccacgga gtatttcgac 120
 tatgctcttg tgtggtggaa caagctacaa aaggagagag caagatatga agagccaatg 180
 gttgatacgt ggacagagat gaaaaagatc atgaggaagc ggtatgtgcc ggctagttac 240
 tcaagggact tgaaattcaa gctccataaa ctaacaccag gcaacaaggg gggtgaggag 300
 tattcaagga aatggatgtg ctcatgattc aagcaaagat tgtagaagat gacgagggaa 360

ctatggctcg atttcttaat ggtttgacta atgatattcg tgatattgtc gagctgcaag 420
agtttgttga atggatgatt tgctcaca 448

<210> 13476
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13476

gcgagctata antactcaag cttcagagca caacattnta ttgtctaacg gaagagatct 60
ctttagcgtg aaggcgacgc gtatcgaaaa gttgttcttg cgactgacac acacacgatg 120
acatattgga ctgaacatgt acttcatcat cattatcttg tggtctgggtt ggtaggggtg 180
atgttgtcga ggatactact aatagactaa atgtgctata caatggagaa cagcacatgg 240
agacactggg acaccacagt aggtgtaaaa ttga 274

<210> 13477
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13477

tacacaaaat tggtagctat tattgttgat acatattcag tagtgtgatc tattatttat 60
tttttctcta tatctatcct tgcattgttc acctagaaa ggtgatagag atacatgtca 120
atcaaatcat taagagaatt tctatttgtt gaacgtgtgg aagtattaca aaaataatga 180
gcatgagctc ttagctatag aggtatcccc tcgtctaaga ctatgaatgg taacgagaca 240
gacatgagta attaaaaata aaacataaaa agaattaaaa aaattatttt ttgagctcca 300
gagacatata gacattgcan atatcaatat gaatgtataa acttaaagag ttgtaaaaga 360
taatcactct gacaatttat tagttattct atcaatcttt taaacaacat attttattca 420
aatcatatgt atggaaaagt aaa 443

<210> 13478
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13478

tgccccgccgc acatccggtg cctaaacacc accttttagcg tataacaaaa agtgaatttg 60
 cagcaaaaag cctgtaggat tcagcccaaa ttccgggggc atatgctaac ttgctcccat 120
 atctaattga taatgcaatg gtagccataa ccctgccag ggttcctcaa cctccatttt 180
 tccgaggata cgactcaaac acaacatgtg catatcatgg aggagatccg ggacattcca 240
 ttgagcactg tatgaccttg aagcgtaagg tgaaaagtct aattgatgtg ggctggctga 300
 aatttgagga gaatcacttg tgaatcctaa cattgacaag cggcaccaca catggggcaa 360
 tttgaagggtt gttgtttgat gtctctaata actcattang attttcaagt ttatgcaatt 420
 attgagaacc acaattacaa tgctaaataa tatggat 457

<210> 13479
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 13479

aagactcaaa gggcaggaac actggatgat aacatagatg atgatctcaa aaatcaagat 60
 tcaaggttca acctttcgag aatcaagatc atgattcaag actcatgatt caataatcaa 120
 gagaagactt aatcaagatc cgtctgaaaa agttctttca taaaagaatt tgccaaggac 180
 taatcgctg aattcttttc gtgtctctct tctccctgtt ccacaagaac aacggactaa 240
 cagcctgaat tcttttgtgt ctcccttctc ccttgtaaaa gaattataat gacacagtct 300
 gagaattctt ttgattcttc ctttcccata tcgaagattc caagactacc tgctgagaat 360
 ctttgt 366

<210> 13480
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13480

actaagcttg tttgaactca tcataatgct tgctcatata tgttttgttt aagcaaagta 60
 tcatgatgaa tcaagaacga ttcanagatg ttttgatgat aacaaagggtg atgacaaana 120

004340540300

gctcanaggt caatcanaga atgagttcaa gatgttcaag atagaatcaa gaacacttca 180
 agattcaagg atcaagcttt caagaatcaa gatcaagaga agacttaatc aagattcaag 240
 atccaagaat caagagaaaa cttaatcaag ataagtatga aaagggtttt tcaaaaaactg 300
 agtagtacat ggatttttct caaaacatgt ttaccaaaga gtttttactc tctgataatc 360
 gattaccaga ttgttgtaat cgattaccag tagcaaaatg aatttgaaaa agttttcata 420
 tgaaattaca acgttccaat tgatttcana aaagttgtaa tcgattacaa tg 472

<210> 13481
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13481

actaagctag gtaatgagct ccttcttcac cttagacttg atcatcttca ttctttnttc 60
 cagtttctct aataatttga aactgtcatt ttgttttact catgaaggga aactntgaaa 120
 aaactcaata ttcttcattc tctntcaaga tttcgcgagt tcatcaagag ataggggggt 180
 ctctcaaact cttgaaccat gtgcttgcta ttgaacttcc atgaacatgt tgttgctttg 240
 acattttcga gcttggtgtc atgtcctgaa actgtgtgct gagctatttt acttgagttt 300
 ttggtgccaa aaatgagttc tttgcatgtt aaaacgtata tttagcctta aatttcattt 360
 aaattgaagt ttccaagcaa aatttcaaaa caaaacangt ttaaggacct ttagtaaaat 420
 gaaaaagttg tcacgaattt ggactgagtt a 451

<210> 13482
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13482

tgggctcttg cctcactcac cgcctttgtg gtttcatttc tatctatctt atacttatcc 60
 caggtgtgag attgtctaca cctagaccac tccttgaaac actcctttt tactctaact 120
 ttgctctgaa cattttcatt acaccagcac gagtctctac ccctacgtcc ataacctgta 180
 gattctccca acgtctctgt acccacttta atagtctctc gggacatctt gttgcacata 240

tcattaacac ttacttgtga gtgtacacac caacccttcc atatcttttg atggaagatg 300
 acatgnttct gacccttcaa gtgccagcat gcgatccttg gcgctgccag atgacttcgt 360
 ctctttgccc tatctctaata gcttacatac gaaacaaaa ctctatgttg ggtagt 416

<210> 13483
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13483

ngaagagagg attcacaact tgccagaatt ctaactctgt ttcttgcac tgattcttgc 60
 ccttgacaat gaactcagtc actagatttg ctaggaagtt aaacacctct actgcacaac 120
 caccacacag cgatagtggg gtcctacgt agaaactggc ttcagaaaaa taaccaatca 180
 atcctcttca ttntagtatt ttctggataa taaccagtga taactaagaa gtacaaatgc 240
 aggaaatgat gcaactaatt tatataatta tgttacctaa gaacgcaggt gtgaaccttc 300
 accatttcaa ataaccagaa acattgaaat tatttttagat tgcacatcaa caagtaataa 360
 ccgtacttca tatctttcta ggactagtca tgcatatata acatttagtt cacatgtgag 420
 aaaataaata gaactacgta ttcacaattt ca 452

<210> 13484
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 13484

ctaagcttga atcggacacc cgtgtgaaaa gtgatgacaa tttgaatctt actagaactt 60
 ccgttgatca ttttcgagtg tcaactatgtg tgatgcgcca aaagaggaca ttcaagctat 120
 atattatgac catttgaagc tcaaaagagc tategtagat caattctgag cgcgtagtaa 180
 tgggattatg cctgaatctg acgttgatat gaaatgctat gaccatgtga agccgtaacc 240
 accttgagga gcacagtata gggcctaact agcatatatg cgcccaaatac ggacattcgc 300
 ctgtggaaaa tgacgctaag aatgtattga aagctttcaa tgtgggattt ct 352

<210> 13485
 <211> 446

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13485

tcaagaaaaa gatggcctca gcaaattcct tatttcctaaa atgtaattct atcttagacc 60
tccaatcttt aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttattga 120
ggcaatagat ctaaatatatt gggaagccat agaaataggg ctttatatac ccaccacagt 180
ggaaagagtt tcaatagatg gtagttcatc aagtgaagc ataactatag aaaaacctaa 240
agatagatgg tctgaagagg atagaaaacg agtacaatac aacttataag ccaaaaatat 300
aataacatct gccctngaa tggatgaata tttcanggtt tcaaattgta agagtgctaa 360
ggaaatgtgg gacactcttc gattaacaca tgaaggaact acggatgtta aaagatctan 420
gataaatgca ctaactcatg agtatg 446

<210> 13486
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13486

ttagtcaaac aaaataatcc gaatatgtca aatatttgag tgttgaanaa gcataacaag 60
actttgtgtg attggtttaa agatacaatc tttgcagatg agaatgcttc agaaacatta 120
agaaatctag cagatggggc taaaagaaat gttataacct ggcaaggata cgacatatac 180
a 181

<210> 13487
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13487

ttagaatctc agcttccatt attctatgta cccgtggtgg tccacatttg gtttatgtat 60
ttttattctc gtttcattca ctttttatac ccccttttga cgtgcttaag ccatntatt 120
taagtcattt ctgcttaac ctagaaataa aataaatttc cactgatcgt ttgaattgta 180

ttatccgtta acttttggtg aatgaattc cgaccgatcg gtcgtgccgc aaccacgttg 240
gaaacaaaa aagaggtaaa taataatata ataataaaaa ataaaaaaga taccctttg 300
gtaaaataaa gcgaaaaatc aattggacgt tttctctttg ggatttctca ttcttaatcg 360
aattgactaa taactaaagt gaaactaagg ctaaaatcaa ctgcctagt caagctcatc 420
cacaanaata tggtttgaaa gtttatta 448

<210> 13488
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13488

tgggcattgt ggaatgacta cgatcgatcat ggtgtggact atggatcatga tgagtntacc 60
atagttgtcg tcgaaagctg acattgttca naagggatgt catcatntg ccatggccgt 120
gctacttacc acgatagtgg tcaagtgaca aagttgttca aatcttcata aagcatgcac 180
tttccaactc tttcactcca ttgagcggct atacttttcc aagacaaaat gagtgtctaa 240
gcatgagttt tgccaagata atgcatgata atgacacaaa actcacacaa aatgtcaccc 300
aaaaagtggg ttatcaacct cccacactt gagcattgct tgtcctcaag caatttttct 360
agttatctta atcaaaatan attctcccaa gccagaactc aagtatcana acccccaatt 420
tattcaaaag taaaaactca cacgttgg 448

<210> 13489
<211> 217
<212> DNA
<213> Glycine max

<400> 13489

gactatggca tcattacggg cgcttaactg ctgacagttg gacgccatct tctcaattaa 60
atttctggct ccagcaggag tcatgtctcc aacgggtcca ccaactggcag catatatcat 120
acttctctgg atattacctg attcttcata aaaatattgg acaagaagct gctttgtaat 180
ctgatgggtg ggcaactggc acatattatc ttaaactc 217

<210> 13490
<211> 431

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13490

gtcgaccaaa aggttcanaa ggaagagaga agaggattgt gttgggttggg tatcaagttg 60
 taggtgagat gcacgaccta agaagcatgg caggccgaac ggttcaaaaa ttaaaatgaa 120
 gaatgttggt gatgttggt atgaagttga tggggctggg gagattacag gacctaatat 180
 acatgatcaa ccaaaagggt ccccaaagat gaagaagaat gctttgaaag ttcataatga 240
 agttgttggg gttggtgata tcacaggact taagaaacgt ggtcgaccaa aatgttcaat 300
 aaagaaacag ggtactgttg tgtacgcttt caataatgaa gtgccatgtg agattgcata 360
 caagatctgg aaaatataaa tgctgacaat ctgtgtcaaa agtttagatg atttgcaagc 420
 ctaataactaa t 431

<210> 13491
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13491

aggggnnnna agcttgagtt acgtgctcng tatcanengc anantcgagn nanatacana 60
 naagnngccn tgtananaaa caacggagga gaggttttat ngatttatat cattccataa 120
 cgcggggctc aggaggatcg tacaacactc tagaacccca catatacatt ttagcatgat 180
 gaataatacg agatcaatgg gtgctcccaa taaatgaaaa atataatatc tttttgtatg 240
 taagatgtgg gaatcgctga acgtgaagtt gaacaacgga tatgctttgg tgtccgataa 300
 tgggtgtgga gttgtttgaa gacctatggt ctggtgtgtg tgccatcaac ataattcatt 360
 gtgcatacat gttattgttc tattacctgc tactcttata ttacctccat gagttctgtt 420
 agtgttcaag atgaccacaa cattaatgtg tcatgtcaac aacttggtta tggttcgaga 480
 tgctcctccg atcactaatt cg 502

<210> 13492
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13492

ngtttgttat tgctctgaac accttttttc tctctcagat tttactggca ccagaagtat 60
taaaatttaa taaaactttt ctttgtaagt ttatgttaat gttaatattg actgggtcca 120
tttctgaaat ttcttagtta gcaactccgc tcttcccttt attttatttt tcttttggtt 180
gatgaagtgt tatttgtgtc cactaattta tgcattgngt gtaattttta taaggcaatg 240
gaaatggagg ttataagggtt gattcgaatg ttgaagctga ggaagttgca gcagatgacg 300
acgatgatga cgatgtcgac tgggaggaag gctgatgaaa aatatctgat cagtataatg 360
taatgggtcta ttctgatttg caatggccaa tgctcattaa taataccgc 409

<210> 13493
<211> 258
<212> DNA
<213> Glycine max

<400> 13493
accaggcacc ataggtagag gtgaaaactc taacccataa ctgatgctga tcagatgcac 60
aagcccatat ccatatacac aacaaagcta agttgaattt ggagatatac tttatcccca 120
gacccccatc agacttatgc agacaaatat catgccatct cacccaaggg atttcattat 180
gaacaatgtc tacatcccac agaatatacc actgaaggga tatcacactt gacggatatc 240
ccaaggggct gcattcct 258

<210> 13494
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13494

gatgggccta gatgggcca aggctgatta tctccctct aaactgttca gtnaccccg 60
agattgagtg gaaggctgat ctacttccga aacattgcga aatcttacgg atcgctggc 120
aattggctct attcaactcg acatgaccag caaaaacccg tatgtcgaca aacaattgaa 180
cctggacgaa attacggtat gacaataata atgggaataa agtcttaata cttctaaaag 240
gggatgggtg agacattata ttctcttaga ctatgatatg gattcgtatc atttgatcat 300

ctactcatca t

311

<210> 13495
<211> 113
<212> DNA
<213> Glycine max

<400> 13495

acggttagctc tatcaatcat ctttaaataca tctatctttc aatcttctct cacatcgtgc 60

aatacctttg aactctgtct acagagataa ctcttcatct gtctaaaagg gtt 113

<210> 13496
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13496

tcaggctgct caattgctcc aggttggtgc atgttttggc ttatgtctat atggnggtca 60

gcagaggagc acagaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120

taggttacca agttgaccaa cgcattcagt ttctcttcaa gcttcttatt ttcagatgat 180

gcagatgggt ttgtagctac ctcatgcact cctctaataga ctatggcatc ttttctggcg 240

ctaaactgct gggagtttga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300

atgtcttcaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360

ccttcataaa aatatatgaa aataaactgt tctgatatct gatgggtggg ctactggcac 420

a 421

<210> 13497
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13497

tttgtcaaaa atattgctca naacttttca gcttccgacc ttcattgacct caacatcatt 60

cagggttaata attaaggaaa gacaaatatt tgtcattaat attttataac ttgacttcga 120

tcatgagntt gtgctagctt attgcttccc gcgagtttgg ttaatatatt cgggcaaaat 180

tcggcttttt tgctggtttt ctggcaatga agtactagta tatactctatc agtatctatc 240
 tggcacgtac cagaaatcct gtgttggcac aaaatgtcac acacacgctg aaaatatatt 300
 ttatactatg tttaatttgg atgtgataaa agaaaataaa gaagaaagaa aatatatata 360
 gaaagaaaaa attattgttt ttttcta 387

<210> 13498
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13498

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 taactctac gcatacatat tgccccgtgc ttatatgaag gactaacctg taagaagttg 120
 aaagtgaaca attatggacg tatgatctta cacttatctt aaaagcataa gatgaatctt 180
 tcattcagac ttgttattgc acaacaaaca caaccatggg gtatgctttt tttttcaata 240
 atggaacaag aacttcatcc accttctaac agggtaaagt atcattagtc attgtcatct 300
 cacatatata tataaaagca actcttgatc tagtctaata tttgagcttt ggtcattgtg 360
 tgaggcaaaa ataataataa tattataac 389

<210> 13499
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13499

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 aaccanatgc tcaccactac tagaggagaa gccacatttt gnnacttaac acctctctct 120
 ctaaacacca ttaagaaaag ttgttttcac atccatttgt tgcaactcaa ggtcaaaatg 180
 agcaactaat gccaaagataa taccaagaga atctttctta ggtactggag aanaagtatc 240
 tatgtagtgc attccttctt tttaagtaaa tcccttagta acaagtcttg ccttgtatct 300
 ctcaatgttg cctaataaat ccccttttggc cttaaagacc catttacatc caatggcctt 360
 taccacatta ggcaactcta caagggtcca aactctgtta ctctgcatgg aattcatctc 420

atccttaatg gcatcatacc atanatttga ctctttacaa ctcatggctn gatcaaaaagt 480
gtcgagatta ttntcagctc caatattaaa gtcagatn 518

<210> 13500
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13500

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actgatagaa cttgcctgag atgtcctaag tgatcateta ggctcctact gtacactaaa 120
atatcatcaa aataaacaac taagaatcta cctatgaaat cccttaagac atgatgcata 180
agcctcatan aggtgtttgg tgcattagt agcccaatag gcatcactag ccattcatac 240
aaaccaaact tgggtcttgaa agcgggttatc cactcatcac cctttttcat tctgatttgg 300
tgatacccaa ctttaagatc aattcttgaa aacatattg 339

<210> 13501
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13501

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ctctggcacg aattagccaa ctctttcatc actctcctaa gtctcgtcgt aataatcttt 120
gtaattatct tataggatac attataaaga ctaatatgac aaaaatgttt catagacgta 180
accggctaca cctttgaaat aagagctaca agacgttcac tgatcatctt cacttttagt 240
ggctcatcaa aaatatcttt tatgagatcg caaagagaat ctcccacaat ggtccactgg 300
atcggatctt gtaaaaaatt gactgtcagc ntctgcact 339

<210> 13502
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13502

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aggggggatag cgctcacatt ttccggatta tgcacagttt gtgaaggcaa tttgtcagaa 120
ttttgggatt gagctcggtt catctgagta gccatctgcc ccatctaatt tgtcagactc 180
tgaatgaagg ctcttgtctc tagctgaaat tgcataattt ggatgggtcat ttgcctcact 240
aactcctcta atgaagggtt agacggggcc atagtttctc gtagtctttg ttgttgttgc 300
tgcattggag gatgatcata tggcctgctt ggaccaacag cattctggat aagagggata 360
agttgttgtt gttgctgttg tggttgtgga g 391

<210> 13503
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13503

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taactaagct cacctcttta agatgagaag ctagagctta gctacacacc tcctataata 120
gctaagctca ccccatgcc aaaatacatg aaaatacaaa aaaagtcctt actacataga 180
ctactcaaaa tgcctgaaa tacaaggcta aaacctata ttactagaat ggccaaaata 240
caagcccaaa aaagaaggaa aaacctattc taatatttac aaaaaagagt ggaccaaac 300
ttggcccatg ggctcaaaaa atctaccctt aggttcatga taaccctagg atcttcttta 360
gcaactntaa cccaatctc ttagagtctt ctatccaata ccctgggggg gtaggattgc 420
atcataatgt tagcctgttg aggctttctt tccatttct 459

<210> 13504
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13504

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gcaccgtctt ctggataact tcctggaagg cccaagtggg cctgggttgct atttgcaccc 120

cctgtttact aaatacaccc cctgcctttt ttgttgattc tttntccgta acattatgga 180
actttacgaa ttttgtaacg atacttggtt tctttccgta atgtcacgga accttacgga 240
ttatccaata atgtttcctt tcgaatttcg gcatgtcacg gaacttcatt gattgcctaa 300
tgatgggtgc caagtacctc gaagtgggtc aacgaggggc gcatcccaac aaacggatgg 360
tccccggacg aaagtatggt atgacaagta gcatgtcttc tataaccatt tcttgacaac 420
attattnagt atatctcaaa agaggtaac 449

<210> 13505
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13505

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gatgctacta tcactgacgg actacacaca tgagcccgt tagaggtaag agatgagttt 120
atcacaattg ggggttagaat gaacatgtgt agggatcctt aggggaccaa attgggattt 180
attttgggat gtttattgaa ttataatttt tcttttatga ttataaatac aatattgttg 240
tgtttgacag accaattgat gtctgatgc aaattgggtg ataaaattga gtgttcttgg 300
tgttttcgtg tttttaacct atgatttcga ttcattgatt ttggtatgat tgtgtgaaat 360
tgtttgaggg gttttacttc ccatgttggt agaaacattt ttgtatanat tatntgtact 420
ttggacaaga tattctagat tgacatgata 450

<210> 13506
<211> 265
<212> DNA
<213> Glycine max
<400> 13506

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gtgatgaccc gcggaagcgg cggctgtgga atctcgtgat tttggacgcg ttatgtgcgg 120
acttgctata tgctctcctg acattggagg tccaaaagga cattgtgata tgggttcaag 180
caatttataa gctacttttt aaccattggt gatgttttgc tcggaactcc ttttaatcca 240
ttttttgtgg atggatcatc aatga 265

<210> 13507
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13507

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 tacctggaga tatgtcgcgg nggtcaggag accttgggga cgtcagggtg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccgggga tagtcgggtca gtgagaacct 180
 gtgatgtacc taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac 240
 aaagtaagga ggcttgtggt ggctggccag ctgtgaaatt tgtgtaatat gtggatggtg 300
 gcctctggta atcgattact aagggtgggt aatcgattac aaggcttata aatgaagaca 360
 ggaggctaag atggctctctg gtaatcgatt accacg 396

<210> 13508
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13508

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 atcactccca naccacctcn atatttaaaa acctttgctt ctagagttga gaaacanacc 120
 attntcaagc ataaaagaaa gattnttaac aacaagctct atacaagggg ccatttcacg 180
 atggtatgaa gtaatacttc atataacagg aagaatggca tgagaagatg agaaaacccc 240
 tcccatacct tgggtaattn taaaaatggt tcgaatgtga ttataaatnt cattaccttg 300
 tagctcaagg tctcctctac aacatacttg aatttgagga agaaaaacat ctttcttgaa 360
 cataaaagtn taaagagaag ttagggaaat ttagagaaaa tgatgtagag cactctagga 420
 gagagagaaa aatg 434

<210> 13509
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13509

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cttacttttg agggggcaact cccaccttat gaagactttc ccgggcaaga cgatggggaa 120
ggagataccc atcttgggcc cctgctccac ctcaaagatc catccccgca tgaactaccc 180
tagccgaaca tagtccgcca tatcccggcc tcaccacac ccgtaaaaga atctgttccc 240
tttgcagaag gtaagggaaa gattgaagcg cttgaagaga ggtaagaac agtcgaaggc 300
ctcggcaatt acccattctc ggatttgga gatttatgtc ttgtgcccaa catcgtcatt 360
cctcccaagt tcaaagtacc agactctgat aagtacaaat ggacgacatg tccaaaggag 420
catctncgga tgt 433

<210> 13510
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13510

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agttttccaa atgatctang aagagcacca ccaattgagt tggtggaaaa atctagcagc 120
acaatatattt taaatgcccc aatatgatct gtcagattgc ctganagttg tgaactctga 180
actgcaagtc ttgtgagtcc atgggaaata caaggagcaa gaatttctaa aagttcatta 240
acctgttggg tgagtttgag atatgatana cctatcacc ttaagttgca gacattaccc 300
aaagaagttg gaatgtttcc ttcaagttga ctatatgaca natcaagtc 349

<210> 13511
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13511

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ctccattaat tangagtttg attcctgana ggtgcagaca cacctgcagg ctaccctgc 120

aagccacctg ctaatagaac attgatgact ntgtgtacac tangttatag ctgaagctgc 180
 aaatgtcata aacataatga atgatgttgt gaccccagct tttgtggcta gatcccatgt 240
 cttaattatt tttttttgaa ctgcaaaaat aatttatatt aaaagataaa gaggaccagg 300
 ggtactatat aaacacacag gagtaaagat ctctgaaaa tgataacaaa aatacaacaa 360
 cccaacaaat acagccacaa acccaaattct acaaaccac tctaattaaa agctatagac 420
 atagctg 427

<210> 13512
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13512

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 aatgtgagcc tttttccctt ttgaaagact tgtaaaaaa atgttttaaa attactttta 120
 attaataattt gaattttttt attccttatt agtatatatg tgaggggtag aggggtgtcac 180
 acttagcata ttttgaaatt tcaaaatcaa attaattcctt aacaataggt tcagggtcatg 240
 tagatctcta cattgtttcc ttttgttatt ttcttttggg tattttgttg ttgtctttaa 300
 tttatacttc cataaagctt ttgtggacat ttctgacttt cgccaataat tgggtgtaa 360
 taggatccaa aagcctcggg caagactcat tcatgtctgt tcctaataag gaaaacttgt 420
 gtcacattcc cagggtgtgct cttcaattct g 451

<210> 13513
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 13513

gagcacagac cacataccct tgcaacaggc acagattact gatgagagtg caactggggt 60
 accaagttaa ccaatgcac cagttagtct tccaacttct tagcttcaca tgatgcagct 120
 gagtttgtat ctacctcatg cactcctcta atgactatag catcattcct ggcgctaagc 180
 tgcggaatga tggaggccat cttctaaatg aaattactgg cttcaggagg agtcatgtct 240
 ccaatggctg caccactggc agcatctatc gtacctatct ccatattact gacgacttca 300

taataatata gcataagaag ttgatctgaa ctctga

336

<210> 13514
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13514

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ttgataataa ccaaatacaga acgacatcta aagtggctat tgctaaactg ttattaaatt 120
tttgttcctt tcagattgta aaattattta tttttttatt ttaatgttta tctctttaaa 180
tattttatatt tcttcatatt ttaaattttc ttttaatttt aaaatgcttt tgcaacaatt 240
aaacccaaaag tgcacccgag aagtaattgc tgtggacctt ttatagcttc tataataact 300
aaattagaag tgcacccaaa gtagtgacta ctgaagcttc attntattaa agttattatt 360
aaaaatgtta ttattattaa tattatcaat gttattntat atttctaagt tatgatgaac 420
atatgtatac aatntaagtt catatgact 449

<210> 13515
<211> 292
<212> DNA
<213> Glycine max

<400> 13515

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ataaacctcc aatatcataa ttgagctaa aagatctcgc atttgcatta tgtactaatg 120
cacaccttac aactgggtga gctccagaga ggagaacttc atgaccaggg tgctttactt 180
gctaaagccc tatctgaagt gatgaactag atatcaatag ccttacgcag gtctcact 240
ttctcatgtt ggtcaacaaa accacatatc ctatccgaga gttcagcctt ac 292

<210> 13516
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13516

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 cgtaatatat cgagacgctc gtaagtgaga acagaagctc tgagccaatt caaacgacaa 120
 taacttttaa ctccgggtgtc cgattgtgtc tcgtagtata tggagacgct tgaaattgaa 180
 aattgaagct ctgagaaact caaacgaaca taacttttga ctccgatggc cgaatgtgtc 240
 cccgagtata tcgagacgct cgtaattgaa aacgaaagct ctgaacaatt tctaacgaca 300
 ataacttttg actcggatgt ccgattgtgt cccgtagtat atcgagacgc tcgttattgg 360
 aaatagaagc tcttgaaaaa atcaaac 387

<210> 13517
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 13517
 ccttgagatg aggaagtgtt gaagggtgaa gcttcctgct tttattgttg accacagagt 60
 ggtacctgga gatatgtcgc gggggtcagg agaccttgtg gacgtcaggt ggggtgctat 120
 tgcccaaaac caagcttgac caatcccgc ccaaccggg catagtcggt cagtgagaac 180
 ctgtgatgta cctaagcagg cgagctcctg gcagtcct 217

<210> 13518
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 13518
 ttcgaggtag ttaccggttg tatatcgaag atcgatgatt atcgaatgaa gaacgtcgaa 60
 gaacggttga gatctttgcg aaattcctca cggaaaacgt tacggaaacg tttcgggaagc 120
 gcctcggctt agattttctt cacggaaaca atttttccaa gcaaattcga aagagagaga 180
 agtgcctaag gggctaaacc ctttttctt ctcaacttct cccctattta tagcaaaata 240
 ggggaggttg ttgccgcca gctcgccag gcgagctcag ctgcgccagg cgagctcagc 300
 tcgcccaggc gagcaggggt gcttcttcca gaagcaaccg ccttctggag gaatattccg 360
 gagggcccaa gtgggcctgg gtgctatttg caccctcatt tttactaagt acacccccct 420
 ct 422

<210> 13519
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13519

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 aacaagtgtt ccacatccac aaagcgcgca taaaccacac atccccctgtt gccacacctc 120
 aactgagctc acgtactccc acgtagccca taccctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagctttc ccaacatcca agtaatacaa cattcaaaca gcacaaatta 240
 tcacagccaa gcaaaatagg gcaaaggcag aaaaactctg cccaaaacac caaccaaatt 300
 cacagctttt ctacttaaaa gacccagta acaattcctt cgttccaatt cgtaaccgt 360
 tggatcgact cgaaaatttt actggaagtc tatagtactt aagcctacat tgtgaccgtt 420
 gggatctact agcaaacatc tagaactca 449

<210> 13520
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13520

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 tcccttttct ttctttctag ttntcctttc cataacttga gggaactcaa ctcatctaag 180
 attctagaga gagaaagtcc ttatgactag taccctcacc attaacacta gatgaaagat 240
 gactcctatt ggctcctaag ttgtgggtct ttcttgctgg gggtttgcaa aaggtaaaag 300
 ctagggttta aaagaactca agataagcgt gataatcaag aagaaagtat tatgtaataa 360
 caagataaac taggtgtgac tattaagaa aatatgctat g 401

<210> 13521
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 13521

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atggccttctc attagaaaca caatttatgt tgaaataaat attgaggata tattatatct 120
aaatttcaac attcaaagaa ataaatagag acacatatat ccctgaaaca taccaacata 180
tcagggtttaa tgctgtacc atcaacatct ccctcttcaa catgccaccc agagggaata 240
tctacagaga ctataactga tcttttttgg ccaatttgat tattattatt atgtaaagag 300
acaagtctct ggatcaaata atc 323

<210> 13522

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13522

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agcttgacca atcccgaccc aaccggggca tagtcagtca gtgagaacct gtgatgtacc 120
taaacaggcg agtcctgac agtcaacaaa taaaagaaca aagaccacaa agcaaggagg 180
cttgtgtggt ggctggccag ctgtgaactt tgagtgttat atgggatatg gcctctggta 240
atcgattacc aagggtgggt aatcaattac aaggcttana agtgaagaca ggaagctaag 300
atggcctctg ataatac 316

<210> 13523

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13523

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tgttctgcag ctgcaattct ctgtccaagt agagtacttg catgtcgttg gttctttcac 120
agccttgata ttctgatttg agataatccc tctggcgaac ttgatgttca taattcttgt 180
aaaaatgatt ttaacatag cgaagaaaag acaattttta gcctaaacct tttttgtctt 240
cctttctttg tgattcttca tttgagccgt cggtgaattt aaagatagtt cagggacatc 300

atagttttct tctagtgcct tccaaagatc caatgcttca agatgagtag t

351

<210> 13524
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13524

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actcctctcc ctcccttgaa gaactcatga acaacaatgg agaataaggg ttccaagttt 120
gatatttttg gaggagtga gagataaggc tttaaggctt ggtccaaatg aaacttggtt 180
aggcttaatg ttgataagat caaattgaca aaatgaatga ccatttgata gccatgggtg 240
aagtgcataa tgcggccata tatgggtatt ttgccttttg aatttttaac cagaaatggc 300
taaagtagac ttaagcaaaa atggtaaagt aaaaattatt ttgctaaaa ctggtaaatac 360
ttatcctaata cttctatatt agtgtgctaa cttcctagat tagtgtgctg acctcccttg 420
ggatatgtgt ctttagagtg aacc 444

<210> 13525
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13525

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tgggcaaata caacagtgc ataactagcc tgataaatgc caaaggaaat cgtgggaagt 120
atgggttagg ctataagccc actcaggcag atataaagag aagcatcgtg ggaaggaaga 180
gcggtagtca aaactcgcgg ttgagacaag aagggtgaacg aagcccaccc tgccacataa 240
gtaggagctt tataagcgcg ggtctgggtg acgaagggtca agtggtcgcg atatacgaag 300
atggtgttct gagtacattg gatttggtac gaccatgccc tcttgat 347

<210> 13526
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13526

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cggataacaa aaanaggggn nnaggggcag ttaagcctga gaccatgtat nntcgttgta   60
ncnactncga naanatnaac agaaanaaca nnnagannag cggaacgaga ggaagaagaa  120
actcttggag tgttttanag ttataangag nagggagcnc tgggggtctta gagagagtga  180
tactcctaaa tgcttgagtg attcaagaac aactgtgtg tatcaaagga ctttcacagc  240
ctttgtgtgt tgcctcact ggaaagagtg actctatcct tcctatcatg ttcgcccttg  300
ttctttcgaa ccacaatcac agagaaatga cgtctgcgca gaagcttctc acgagcgtaa  360
cttccatgtt acacactaca aggaagtgag tcttgagcct aaattgaagt gtcaaacaag  420
accttgctcc ttagtgagga atcacctcat agagaggccc tgatcttcct gtacagcgat  480
ttgtatattt ctgacagcca ccactcagac tatgatatac catacgattc atgcatatta  540
ttgccaag                                         548
```

<210> 13527
<211> 355
<212> DNA
<213> Glycine max

<400> 13527

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taccttgtgc atgattgatt tattccttgc acccattttg atctgaaagt atgattgttt   60
gattgaacct tgatcctgta cagtttatct cttctacct tgtcttaggt tgtaggagag  120
cctcattcat aaaaggagat tttgggtcaa agcaaatttg cccaaatttg gaggaattat  180
ggggtaaaaag cttgtaatgg taagaacaga gcaacacaca caatcatcta ataagcagca  240
agtattaaaa aaaactgtaa gtataaaaga aaagtgtgtg tgtttctatt taagaaaaat  300
aaaaggtaa tgcggaagc aagtaatata gatgaataaa aagaaaaagg tgatc       355
```

<210> 13528
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13528

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acacttagca actcaagctt gtgcattcaa tatgctgata aggggtgttcc atatgttctc   60
```

tttactggac taataaattt gctgccaag tttcatggtc ttgcagatga agatcctcat 120
 aagcatctta aggagttcca tattgtctat tctccatga aaccccctga tgttcaggaa 180
 gatcatatct ttctaaaggc ttttctcat tctctggagg gagtggcaaa agattggttn 240
 tattaccttg ctcccaggtc cattaccagc tgggatgacc ttaagagggt gttcttgaa 300
 aaaagtttcc ctacatctan gaccactacc atcacgaaag acattntcag gcatcagaca 360
 acttagtgga gagagcttgt atgagtactg ngaaagattc aagaaattgt gttcaagggt 420
 tcttcaccac cagatttctg agcaactcct tctacaatat ttcta 465

<210> 13529
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 13529
 atgctcacga gagaacatgt gatagtatgc tcacctgaaa aatgaacaat tatgagagggt 60
 gttgcacaga gcacacatag aacttttcat caatatgggt tatacaaaca attcttctta 120
 catgacagtg cattcaagac atttagcttg ttagctcttg ggccacatct cattgttcca 180
 acttgtaagg gatatgatat caatccctat tctt 214

<210> 13530
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13530
 naagctatat atatgtntac atatggcaac ataattcagc gaaattcatc attggtgaaa 60
 aggggaaaat gttacgaaca tcataacaaa aaatttgtca caaaataaaa ttaaacttat 120
 ttggaatttt tcaactcggt caaatcaagg gaaaattata caatagaagg aatagagagc 180
 tcactcccct tattattatt attattatta ttaatttaat taaaacaagc aacacaaaat 240
 attttataac aaataatata tattttaaatt ttaaatgggg atgttacatg 290

<210> 13531
 <211> 405
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13531

agcttgctg ttgtgttgca tcggggaaca atttactgt aaaagtgggt cccaattgga 60
ttcctaattt tcaacttacc tatttggaag tgacatcatg gcagttaggt cccagctttc 120
cattgtggat tcagtcacaa aaccaacttc attatgttgg actatctaac acgngattn 180
tcgattctat tcccacacag atgtgggaag cactntctca ggttttgtat ttaaactct 240
ctcgtaatca tatccatggg gagattggga ctacattaaa gaatccaata tctatcccaa 300
ctattgatct aagctcanat cacttgtgtg gtaaattacc ctatctttca agtgggtgtg 360
tcggttagat ctttcaagca attcattctt tgaatccatg aatga 405

<210> 13532

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13532

agctgcttat ccaaggcttt ctctgttga tgaagctcct ccttccatgg cttattccct 60
agtggatggc gctcctctc acctcttctc ctccatcttc cactgcatct ccatggttga 120
naatcaccat tgaagaacct aattgaaact catagatcca gcctccatag aagcttctca 180
agcaagcttc aatcaagtgg taatcatagc acatgagctt caagtaggtg ctccgtaaac 240
ctttattaat tttcagcatt accttttctc acatggttgt gtcttcatta ttctccatgt 300
atctactcac atgtcttgtg ctgaatgttg tgaagatgat ttttttagact atccaccgat 360
taaacttgct atagaagcta gatttgactt tctatggttc aaatctc 407

<210> 13533

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13533

agccnnnccn ccggcagcaa cgtagtccga tgcatntgcg attcgcaana ccncncaagc 60
nnnatacana ctgcgaggat gacccccagg gagtgaggct ggttttgggt tttctgacta 120

ggttacggaa attaaaatct catattatca cttagctcaa cacacttcct cataacttaac 180
 atgcacattc agaaattcac acatgactaa ctcaagtcac ccctcnanat attcaagtca 240
 gccatatagt caaattacaa gatanatacc acttaaatat caattgataa ctataaatat 300
 gtaagagggtg gtacaactct ccacccttgt agaaattcgt gcccgaattt acctgactca 360
 aacaaagatg gataggctgg tcgcatctga ctctctactc ccaatggaat ctcttcctc 420
 tatgtgtttg gcacctatcc tcacctcaag acaaggttat atgcaagtct cttactgacg 480
 tctccaatcg accctgagat gtcag 505

<210> 13534
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13534

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 gatcaaaatg aatttatgtg ccgaaagagc taaagatgtc ttataaataa ttcatacata 120
 tattttacgat cctttcccta tggattcaat gaatggataa atgtatttca ttatgttcaa 180
 agatgagtagc tttatcttta atagatgaga agtcatggtc tttaaatggt ctcaagcctt 240
 tcaaagctga atttgaactt caattaaata agaaaattat cgttgtcaca tctgactgag 300
 atggtgaatg atagcgttac tatgacatac attgtgaaca acgtctacaa ctcttcacat 360
 ttttctctt 369

<210> 13535
 <211> 319
 <212> DNA
 <213> Glycine max
 <400> 13535

atgaacccta ccctaataa aacactaacc taaccctacg cttaacacca aaccctagac 60
 ccttaaccca aaattctaata ccctaaacct taacctctga attctaatacc ctaaacccta 120
 aactctgcat tctaaacct aaaccctaaa ctctaaacca caagggttag acaataaacc 180
 ctacatatta aaccataatc ccttaaccct aaaatttaaa ccattaaccc ttaaccctac 240

cttttataacc ctttaaccct aaatataaaa aataaacctt aaaaaataaa tcctaaattc 300
 taaaccctaa acccttaac 319

<210> 13536
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13536

atacctgata gagaatgata taacttcaaa tgggatccta agaattaata acctatcttt 60
 accaaaaagt gattacacca ttacaaaata cccttcattt ggaggaagtt gatccattta 120
 cacaggttta tacacaaaag tagtcgtatt catcactaac actccccaaa ttatagtttg 180
 cttgtcctca gcaaataaag acagctcact ggtcccatgt gacaaaacat gcaatgacta 240
 tgtcaagggtg tatgcacaaa agtattgatt gatgataaag aatgaacana atgcctcatc 300
 acttgtcttc acaaacatgc agttatcaaa gagaaaataa atgtacctgt caatagatga 360
 agt 363

<210> 13537
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13537

agcgaagcaa tcntgggtttt ttatggcaac anaggacagc gagagtgatg ctatgtgaga 60
 tgggtgcatac gtgtctatca tcacttttca ccacaagtta caagtttcca ttcaactggt 120
 cccatttcca ccatattctt gtggctatgg gagaggatta caagataagg tactgagagc 180
 tcaccgccct tattataata atcaccttat cattacaata aa 222

<210> 13538
 <211> 174
 <212> DNA
 <213> Glycine max
 <400> 13538

ttacatgtac ttccaaagtg tatttggttac ctacatcaca cacatttcct ttgctaaatt 60

cacatacatg cataactctaa gcactttgtc tatcaaaaaa tgcatacgtg cacatcttgg 120
tattttctaatacctatacat acacaaactt cattatgaat cttgactatc taca 174

<210> 13539
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13539

aganggagat gtggctgact ganctgaaac accgcacgga cttatgaccg agcgcttctg 60
actccttctc accccgagac gggatgagta ttttaacactc gtacccaaaac aacactgaat 120
cactgttcca ggcgaacgag tgggacatcc cagtcgggtgc atttgaagga ctattcgcca 180
gagagaacga atgaaacgga cttcgagag ataccgcgga ggatgcctga aagtgtgaca 240
ttacgcgctg ctcaaggaga actgaaagtc cgggagctgt ggaccagaga ttctgatgag 300
cggcgaac 308

<210> 13540
<211> 527
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13540

nttctaagtt cccaagccct agcnancnta nnnnctnann nnatanacac ncaagcnng 60
agcatgtcat cncgagaaag gagcataaga attttcattt ttacttttcc ccaacaaaag 120
cggggagagg atatgaatat agtagacgaa ctgcgagttc tatccaccat atgtgatatt 180
ctatagtaac cccacactgc tagtttgaac atgaggaaag ctgtagaaga atataaacia 240
ttccttctca tataatatca taactcacgc taggtgtcaa tgtacgaatc aaactaattt 300
ctatggacca ttgtgaccta cataaccttc tgatcatcat gattattcgt tggacactgc 360
tatatcaaga attgacggat gaactctgtt catttggtc cctatcgtat gctgtcaaat 420
cttaatagat ccgacattaa tagcggtac actttgcaat catgacttca caatatcact 480
tattactatg ctcatgaga aaaccgctg tgcttgactc atctttg 527

<210> 13541

<211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13541

tatgcttgaa ttgcttatng gatgcccatt ggttaacttg gtaagcccag ctttggcctt 60
 gaaccatgaa atnntgtacc tgttgcaaag ggtctgtggt ttgtgctcct ctgctgacca 120
 ccatacagac ctttggcctt ccatgcagca acctggagca attgagcagc ccgaagctta 180
 tgctgctaata atttacaata gacctcctca acctcagcag caagatcaac cacagcaaaa 240
 taattatgac ctctccagca acagatacaa ccttggatgg aggaatcacc ctaatctcaa 300
 atggtctagc cctcagcaac aacaacagca gcttgcctcct tccttccana atgttgctgg 360
 cccaagcaga ccatacatct ctcaccaat ccaacaacag caacagcccc agaaacaacc 420

<210> 13542
 <211> 389
 <212> DNA
 <213> Glycine max

 <400> 13542

acacatagaa actcaagctt gatctaccac caccaccgca ccatcatctt attttctttt 60
 tgttaacatt atagtacttt gatttctagc catgtatttg gctatattat tatgacattt 120
 gaacaattta gtatttcatt tatttgcata gtatgattga acaattatga attatgttaa 180
 atgactatgt ggtttttata tatttgatct attcatgtta cttgcttcat gattggttta 240
 tatttttcaa tgaatatctt gtgaatgatt agtaatggat gtatgtatta tattcggtac 300
 gcactttggc tttttgttga tgccaaaggg ggagagaaat ggcgattaaa tcaagaactc 360
 acataagtaa ttaacttaat ttcaagtga 389

<210> 13543
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13543

agcgtttatt ataaccatac aatncgancg catntatcat gaaactaccc taaaccaaga 60

caacagagta gaggcagaac actctgtcca aaactcattc aaataccaca gctntcctta 120
 ctcatatacc ccagtaacat tctcttcggt cggattcggt aaccattgga tgcacttgaa 180
 aattttactg gaggttccta gtacataaat ctacantttg accggtggga tctgctagaa 240
 atgcctggaa ccggaatgt actactcttc ccatgactag caatgcacaa ccattnttct 300
 gcactatggt aaaaaaactg ctgcacaatt ttgacagcat ttttctgcat aatat 355

<210> 13544
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13544

cttgacaaat tggctcttcgc cagtgaagg atcaatgtgg nggtgataat agngcaaatt 60
 gatcatccta ctaggacgac tgaganaact gnngcaaata aagaggggtga ggatgaagga 120
 gaaacccatg ctgttactgc cattcctgta cggccaagtt tcccaccaac ccaacaatat 180
 ctttactcag ccaataacaa actttctcct taccaccac ccagttatcc acaaaggcca 240
 tccttaaata taccacaaag tctgtctacc acatttccaa tgacgaacac caccttttagc 300
 acataccaaa aacaccaacc aagaagtga tnttgcagcg agatagcctg tagaattcac 360
 cccaattcca gtgtcctatg atgacttgc cccatatcta ctttgatatt caatggtagc 420
 cataaccct 429

<210> 13545
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13545

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 gnnengggga nccncngac gcgaggcgaa ggcaggcatt ctaggctaaa tanaananan 120
 caaacaaggg gacagagagg attttatagt tcaccgaaca aaaaatgttc actaataata 180
 atctctttat aagacttatt actatgaact aataatatct ttcatatata tatatacata 240
 tatatataga tatatatata tatatatata tatatatata gacacataga tccatctata 300

taataagaga caactgatat ctaacacggtt agatctgttg gtccctgccg cgcgggatac 360
aatagttata actcacgtgg gcagaggtag cctacccggtt aagaagatat atatagggaa 420
tgcgacactg cgggatccga ccacgggtgg ctgtgtaaca catcctatct gatgggttct 480
gtatagagtg cgatatacat caccgggg 508

<210> 13546
<211> 302
<212> DNA
<213> Glycine max

<400> 13546

gataggaatc ggttacaaca aagcggattg gttctttgaa aggttaagtg atatgatgag 60
atctgattca agtcgctctg ctaaatatga cagtaacaga gtgtatgggtt gtccttggtt 120
ggatgggttct ttaaagcggga atctacctgg aagaccagta gcttgacaag tctacgggtg 180
agaggtgtca tggtcttttc ctatctaatt aatcattaca attgtatgtg ttctgagacc 240
gctgtgattt gatgtattga ttatcattcc aagccattaa cttcatcaac ctgatttagc 300
tg 302

<210> 13547
<211> 347
<212> DNA
<213> Glycine max

<400> 13547

tatcttgagt tatcatccat tacgagtgtt ctagatgaac ttgagaaacc ttcccttcac 60
atgactgttg agacaaaacc ctcaagaaga acaccttaag ttatctgaac ttagctacta 120
atgggtttctt tgagtgtgct ttaaaagaca tgactaaatt cagaaacaca gagaatgtgt 180
gaaacatagg cctacagttg aagttctcta gacataatat gcatattcag actaatacca 240
ctagaaggag agttgttcaa aaccaagaca gacaatcatg ttttctatgc cgataagtcc 300
aaatatcaaa agttgtatat gatcagaagc atcatgctgg gagtagc 347

<210> 13548
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13548

tcacanaagt ttatatggct tgaacatgc atcgatgtag tggtaacaaga agtttaaatga 60
 gtttatgagc aactcaggat tcanaagatg tgacatggac cattgctact atgttgagaa 120
 atatactaata agttatgtta tccttgctgt gtatgttgat gacatgttga ttacaggatc 180
 tagtatgata gaaattaata gtttgaagca atagttggca gaaaactttg aatgaagga 240
 tcttggtcca gctatacaaa tccttggtat gagaattctt agaaacagat cagaaggaat 300
 tttgaagttg tctcaggaga aatatataca caag 334

<210> 13549
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13549

tttgatccaa ttcaaacgac aataactttt tactcggatg tctgattgac tctcgtcaca 60
 tatcgagaca ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacttt 120
 ttacttggat gtctgattga ggcccgtaat atatcgaaat gctcgaaatt gaatgttgaa 180
 gctcctagca aattcaaacg acaatatctt ttactcggga tgtctgattg aggcccgtaa 240
 tatatcgaga cgctcgaaaa tgaatgttga acctctgagc gaatncaaac gacaataaac 300
 ttttactcag atgtctgata gaggctcgta atatatcgag acgctccaaa ttgaatgtng 360
 aagctctgag ctaattcaaa cgacaacaac tttttactcg g 401

<210> 13550
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13550

tcaacattca atttgagcgt ctcgtaatat tgctgtactc tttcagacat ccgagtaaaa 60
 atttattgtc gtttggattg gctcagagat tcaacattca atttcgagcg tctcaatata 120
 ttacgggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt tgctcagagg 180
 ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac atccgagtaa 240

aaagatattg tcgcctgaat tggctcagat cttcaacatt caatttcgag cgtctcgata 300
 tatgacggga ctcaatcaga catccgagta aaagttattg tcgtttgaat tgctcanagc 360
 tcaacattca atttgagcgt ctcg 384

<210> 13551
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13551

agcttggttat ataaactagt tcaataatta atatacaaac acatggtgtc atgcctaaca 60
 tggctaataa cagtcgaata acacacttac acaaaatact tccctaaaaa taatcatacc 120
 aaaaatattg cttcaatact taattccaaa ataaacaaac ccatacacct cacaatcaca 180
 tgcaatacaa ggcaacaaaa agtgggctaag cctactcggg acatccttct cattatgaga 240
 gtgatgtngc ntcaacattt atttttttta tagtacttgt agaccttatc cacatgttct 300
 aatcatcata ggtaacagaa aatanatnta atcatcanag tcttgaatat ataaccacaa 360
 ttcacataag gaactttaga atnggaagtc taaaat 396

<210> 13552
 <211> 127
 <212> DNA
 <213> Glycine max
 <400> 13552

agcttgctct atatatatat ttgatgtttg tattgatggg aggagggtac atgccatttt 60
 tgctttaaga ataacgtccc actggtaaaa ctaactttcc aaatgtttgc cttcgcaaga 120
 atggccc 127

<210> 13553
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13553

agccnccccn nnnngcaggct agtngcaagc tacnancgca cactctagna aactcaagct 60

nctgttctca atacgagcgt ctcgatatat tacgggactc tatcggcatt ttgagtaana 120
 agtattgggc gngtggaatg atgctcagag ctttcagttt tcaatattcg agtcatcttc 180
 gatataacta cagggacaca attcggacaa tccggagtca aaaggatttt gtcggtttga 240
 atttttcttc agagccttcc cgtttcaatt tacgagcgtc tcgatattac aacgagacac 300
 ntcggacacc cgagtaaaaa ttattgcctt tgattttctc agagcttcta ttttaattac 360
 gagcgtctga tatatacgga cacatcggac atcagtaaat gttatgcgtt gaatgctcaa 420
 ctttgttcat tagacgtcga ttatacggac tatcggcttc agtaaattat gcgttgattc 480
 tcaactagtt catacacg 498

<210> 13554
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13554

catncgctgc acaaacagaa tcaatcgga gggtagta ttattaatat gtgaattatt 60
 gccataccgt gtggtacaaa caataatgac tcaaaacaac taatggttcc gctttttcaa 120
 gccctcagaa cctatgatgg gtatttaata acaataatag tagtctagtg cagtaagtat 180
 ggagaataag ttctattgca cgtatggaga ataaaagctt tgtttggtga attgtgctat 240
 ggaaatgaat ccgccgttat aaaaccttgc tttagatacg aaatgtttct agaaatggga 300
 gacaatataa tanattgtgg aagttttctt cctattattt gattcctatc tgtaggacga 360
 tatggaattc gatgttgtac ttcaaactn 390

<210> 13555
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13555

attgccttgt ttggatgang tagacatacc ctttctgggt tagggctttt gtgatgaatg 60
 ttgtgatgtt tatatgctga aaatggctga tgaaaactat taaaaatgaa gggtaaatta 120
 aacctagggt aaaaaagtga gaatgtgggt tatgagtggg aaaaggatga gactttgaga 180

gttggaaggt aagtctgaat tcttgtgtaa atggagggtta aatgagtaat cctagcttga 240
 atgtcattat gacatgtgag aaaggtangc tgtgctagag ggaaaacaaa tgaccaagtg 300
 aacaaagagc catttctagg caaatgggt gttaagagtc aatttgattn gtgagatttg 360
 gtgtaatcca gtcaacaatc taatag 386

<210> 13556
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13556

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 agctgggttt gccatttcat ccacaacact gttggcttct ctgaccacat gattccaaac 120
 ctcatcttca tattgccctg aaaatctgtg aatctcttcg acaagttgat gctgaggatg 180
 acccanatca catctcccat caagaagggt tatagcctcc ctagaatccg aatccacacg 240
 aataagtcga aaagccgacc atgcaaactt aagaccaagt aaaatggctc gaagctcagc 300
 ataaagaaca ctgcctcctc cacttttggc ctgaaaactg caaagcaagg aaccagcaaa 360
 atcgcggtt agccctccat agcccgaag actgccaaat tgagcaacag atgcatcac 419

<210> 13557
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13557

agcttggtat taaactatct anagattaan anacaggcag gtggaagtga tgcctaacat 60
 ggcttataac agtcgaataa cacacttaca caaatctctt tcttaaaaat atgcataact 120
 gagaatactg gttcaactct taatacatga t 151

<210> 13558
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 13558

agggcnnnnn ggggtctagt actgnactan cgacntcaga acntaaactc tgctcantgg 60

cgaagagggtg tctaatcaag atgattttat catcttcaac acangccacc atgcagtatt 120

cagagataca tgcatacatc aatactacat gctactttgt actctcacag cacacgttca 180

cacatactga cagggtagag ggtactgctt actcttaaca atacatcgtg tcacaccaac 240

taacaatatg cggcatgccc ataattcacg atatatgtct tctaatgatt gcatactcct 300

tcaaagcata cgatctaata atcgtcatac actccaatcg tgcgatccat caattggaat 360

gattcacaaa cacaacttct tcacaatata cgaccatata ataatcgatc atactgcaca 420

ctgttcacag gcattcacgt ttactgaata gacaaacaac tcacatacaa ctataagtaa 480

caacatgcat tgaatactaa atgatcacac gcagcagaca n 521

<210> 13559

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13559

tgcttatgtc tctnggcttt ttctttaaaa ctagtcactt anaaaaaagt tgtgactttt 60

tgaaaaatat ttagaaacaa gtcacttgaa gattgtgact cttgaaatga tttttcaaatt 120

cagtcactgg tatcgatacc attaagtgtg tcgatacaca tcatagatgc actcttattt 180

tgaatttgaa aattacatgt tagagctctg gtatcgatac aagtattgtg aatcgattac 240

acaagttaaa tacttttagac tatntaacat aagttataac tcttaaattg atatcttaac 300

gttcgaacac tggaatcaat acatgatatg gaaatgattc aactttgtaa tcagtttgaa 360

a 361

<210> 13560

<211> 149

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13560

ttatatatac cattctctca tagaatgcaa agcatggaaa gagaaagact gagtagaaca 60

gactgggana gaggcagtag acccctcana tnngtcttct ttttgcctt ctcagtattc 120
ctctttaact ctaggtgcta cagatctct 149

<210> 13561
<211> 174
<212> DNA
<213> Glycine max

<400> 13561

tatcttatct cccacagagt aattggatat tctctctctg caaaagttca attaggaagc 60
ttgtaaaatt aaagtattaa tttgtccaaa ataggtggat ccaacacaaa attcttcaaa 120
gttctggcta aaatggcatt gggtgggtgga gaccaaaaaa aaaggaagaa aaaa 174

<210> 13562
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13562

ctctcaatgt aatgctacta ccctattcag tgtgtactat aagtcattgc tacttctaac 60
agagtctaga ttcaagttaa ttaatataac ccattcaatg ttaactaatg ttgaatactc 120
ttctctcttt cttttttctt gggtattata cctctgatct ctctgatcgc tctctctctc 180
tgactctcat tgataaaatt atagatccct catgtattct acttgtcttt aaatagacat 240
gcaattcagc tgcaacatat actatatgct aaaggactta caaattaagc caaagtcttg 300
tttgagttct gattattaaa attcgggtga ctttcttcca tcacggatcc tttccactnt 360
aataaaaaat aaataaagtg gagtgtccag attacatata ttacaattca tacatatnt 420
tccaatactt tatatatta 439

<210> 13563
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13563

agcttgata tatgtacttt actactatnt taaaccttat canaggatta aatgggaggt 60

atttatgttg taggagtatc agaacantct tgtttctgca gtgtggcang gcagaatgat 120
 ggtaatgccc ttgtaaaata aaattatatg ccttttggtt tttaaaggag tttcttctag 180
 gtggtgcaat gaagcctact acacatggcc agtgggctca tttagcttgt gccatgtgga 240
 taccctagtt tgtttgtgta tgactntatt cactcttttt taccagttt gggtattttt 300
 accaagtgtc aagatcatgg acatgacang tatagtagca ttctttacac cat 353

<210> 13564
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13564

ctgcatgatt tacaaaatac aaccaggaga agtatattca tatgtgcacg cacacacaca 60
 tgttgataat agtttctggt gacttattac agtatatagt agatactnta ataaagtggg 120
 ggaacaaaat atatttgat gtgatgaatg aagttgattg gctacctaca tagactacaa 180
 aactaggatg aagttgattg gctacctaca tagacaacaa aactatgtgt catgaccagc 240
 acaccaacat gtgtttcttc aggggggaaa atcatgaata ggctaattga acagggatca 300
 cagttgaagt aacatgaaat angtgctttc tgtgtgngg gcttatatga ttgcaactta 360
 tattaaagg tgcctaatn tataatatnt tnttctgaat ataaaaatat ttttttactg 420
 gtagttgaat aacttgaaat ttctaatttg agaatgaat ggatg 465

<210> 13565
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13565

gcgatgcatt gtcttctatt ttntcaatt nntgaacngt nntcgatga tatnnntagc 60
 gcgatntcat gatcgagacc atttccaatg ctaaaaagggt tatttggtgc gtttggaat 120
 ttcctactga gcccttcggt ttgtcaatn ntggagccat cnntcgatat attacangga 180
 aactgaaccg gacatttccg tgtataaagt tatttggtcat nnttaaattt tcttagaagc 240
 ttcggatcta aattttgagc gtctcgatat attacgggac tcaatcagac atccgagtca 300

aaagttatit tcgtttgaat ttgatacgag cttccgtatt caatttggag catctctcga 360
 taaattatga cactctgtcg ggcacccgag taaaaactta ttggcgtag aattttctaa 420
 gaagtttcat tttcatattg gagcgtctcg atataatacg 460

<210> 13566
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 13566

atatggagca tctcgatata ttatgtgtac tttccggac attcgagaca aaagtgattg 60
 tcgttagaat ttggtacgag ctttcgtttt caaattggag catctggata tattacagga 120
 ctctgtcggga catctgagta aaaagttatt gtctctgaa ttgctacga gcatccattt 180
 tcaatatgga acgtctcgat atattatggg actcaatcga acatccgtgt ataaagttat 240
 tctcgattga taatgctcag agcttctgat ctgaattttg agcgtgtaca tatattacga 300
 gactcaatag aacatccgag taaaaagtta ttgttgtttg aatttgctac gaacttacat 360
 tatgaatgtg cgggtgcctcg atatattacg ggactcaatc ggacatccaa g 411

<210> 13567
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13567

ttcttatggt ctcaatttca agcatcttga tatattacag gacacaatcg gacatccgag 60
 taaaaagtta tagtcatttg aatttgctca gagcttctat tttcaatttc gagcgtcacg 120
 atatattaca agactcaatc agacatccga gtaaaacggt attgctgttt gaattatctc 180
 anagcttatg ttctcaatnt caagcgtctt gatatattac aggactcaac cggacattcg 240
 acttaaanag taatgtcggt agaatctgct acgagcttcc gttttcaatt acgagcgtct 300
 agatatatta cgggac 316

<210> 13568
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13568

tttactcnat gtccgaagag tcccgtatat atcgagattt ctcaaattga aaatagtagc 60
tcttagcaga ttcataccat aataactttn tactcggtatg tccgattgtg tcccgtagta 120
tatcgtgacg ctcgaaattg aaaacataag gtctgagcaa attcaaacgt caataacttt 180
ttactcagat gtccaattga gtcccgtaat atatcgagat gtcctcaaatt gaaaatagta 240
ggctcttcca aattcaaacc ataataacgt tntactcgga tgtctgattg agtcccgtac 300
tatatcgaga cgctcgaaat tgaaaaaaga tgctctgagc aaattcaaac gacaataacg 360
gtttactcag atgtccgac cagtgcgtga atatatcg 398

<210> 13569
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13569

tctgcatgct tgcttcttta tgtctagaga tttctagaga gagaaaggct caagttccaa 60
agagtttgag agattntggt gtgtgaagac ctacagagaa ccgagcttga agaggaagcc 120
gtcctgaaag cttgagatga gtttgtgagt gattgtgagg ttctagaggt ggaggagaca 180
tctcactgc tgtgatttct tcaatccttc atctttctct tctctttggt gaaaggaagc 240
ttcccagtta tggagagcta taccctctgt tggttcttcc ttgcatgt 288

<210> 13570
<211> 354
<212> DNA
<213> Glycine max

<400> 13570

gacacataaa tactcagctt ttagttttaga tgatgcagat gattttaga tacctctatg 60
ctctcctcta atgactatag catcatttct ggtgctaaac tggtgggagt tggaagccat 120
cttctcaatt aaatttttgg cttcagtagg agtcatgtct cttaaaggctc caccactggc 180
agcatctatc atacttctct ccatattact gagtccttca taaaaatatt ggagaagaag 240
ctgctccgaa atctgatggt gagggcaact ggcacataat tttttaaatc tctcccagta 300

ttcgtatagg ctctctccac tgagttgtct aatacttgag atatccttcc tgat

354

<210> 13571
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13571

agcttgtcat tagtcatggt caaaaatctc atgaaagggt gagaggacat gnaaacattg 60
tgaggagatta tgccactttt taacgttaag aatgggtcgg tttttttttt tttctaataga 120
ataaaaacca gccataattg attaaaatat tataattttg gacctttaaa agggaaacctt 180
aaacctttgg gttcggtaat cccctcccct tcaagcaaaa atctacataa ctcaatcccc 240
aagtattttc tttcccatth ccaatgtttt agctctgata actntggntn tttatatgat 300
tcttttgatt tctgggtcag aataaaaaca ttacttatac c 341

<210> 13572
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13572

ccgatgtact agactagctt ttcgaaacnc agctgctaac ttattatggt gcaacttgaa 60
ctagagttht ggthctthtg atagacacga aatggatgga cgcttgagat tcaacctaga 120
aatgattagt ttctthtaaa ggatatgatg ctactcaaaa ttgtgatgat agctaggtga 180
tgcaccagta cctgatagat agatccgttc ttgccatac caggaagctc gccaaagaga 240
gaaactcaac tttatcacac ttatctctca agcttaagtt ctctattatg gctngatntc 300
ttaattctac tagaatattc cctaaactaa tccattgctt atttccacat aaaccctac 360
catatatggc tagagctaaa tataaactgc ccaaactata tgg 403

<210> 13573
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13573

gcttttaann naanaannnn annngggagg tgagctgtac atcgaaaccc gacaggacac 60
gggatcctta gagtcacctg cggcatgcaa gctaggcttt tactttcnaa gactganggg 120
acacatagac tgcgtacata ctacgtcatg cgtgctaact gactttgcac catgaccatt 180
gtagtcgtca tatatgacta actttgtatt gaaaagttaa taaaatgtat gtctcttcct 240
caagttatgg gtctaattgt aggtaagtac atatttatat gtncagttta attatatttc 300
tcagagatac ttcctatata gtgaattaac gtggttcaac ttcagattca cgtgataaga 360
tgaagaataa caatggtgaa gtatctgggtg tctcgcgtag agatgcatat gcgccgtatg 420
agtcacatcc actaagcgat gcactcagct cgactantgg gttgagagaa tcatgaagag 480
aatcagaata cg 492

<210> 13574
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13574

agctnctcct ctcatnttct ataaatatag ggagaagtga agtaaaaaag gggtcagccc 60
cttaggcact tctctctctt tcgaatttct tangaaaatt gtttccgtga agaaaatcaa 120
cccaggcgct tctgtacgtt ccgtaacatt tcctgagtga attcgcgaag gtttcaaccg 180
ttcttcgacg tcttcattcg tcttcacgtt cttcagttct aacggtaagt acctnacta 240
agctttcaan catctatgac ccgggtggcc acatttggtc atgattttat ctcgttcatt 300
acttttatcc cctttgcgtc tttagccttat taatcttctc cttaatctaa ataaataa 358

<210> 13575
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13575

aggccnnnnn nccccagta gagaggatag cacgatctat tngcaanact nctaagctnt 60
taactgaatn tacaacgttc caattaatgt caaaatgttg taatcgatta cattgtttgg 120

ggaatcgata accaatggtg ttgaatggtg aaatcaaatt taatttgtga agagtcacat 180
tctttcacat taaaaccttg gtgtatcgaa tacacttaat tgggaaccca ttaccaatga 240
tagtttctga accaaattca aagatggtac tcttccata attttcaaag ttttcttgaa 300
gacatatctt ttccaaatgg ttgtcaaggg ttttcaaag gtatactctt cttatagttt 360
cttcttgac ttgagagcta taaaacaggg cttgattgca acaaaacttt tctacattct 420
tagacacaac tttgccactg attctaattt ttgactctct tctcttttgc aaagcctcaa 480
gtnttgtttc taa 493

<210> 13576
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13576

agcgtatact tcttaatntt ttccaggann aatnctannn atnaacgaaa cacagctgac 60
ttttcaatat tcctttaagc cattaataaa tattgactan natctaagca cattgttttg 120
ttgcttagta ttagaatntg atgtaagaat ctaataatga cagaaagaat attagttaaa 180
agataaaatt actatagtga aagaaataat gggaatcaaa catgaaaann acacgttcaa 240
cttncatgcc aacaatactg gtcggaaaac accataacga tatttatttg catgatcact 300
gcaaggaaaa gagaagacgt taattatgaa tcattatata atcaacaatc agaatttatt 360
tgaattttag tcatcaacta ctagctcata ttaatatgaa tg 402

<210> 13577
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13577

nccctaattg agcgaatcgn agtttgata ncntnnanta ctaagctncc tctctaacat 60
ctaattncat catcctagta aacatgacca tgtaatgac atttggccta ggtccaaaca 120
gaanaaatta acaagtata tcatgtcctt gcattgggct caaatattac atttaccan 180
aattggaaca cacacataca cacacagggt ttacaaatat gcacatacat ttccttaaac 240

atgaaaacac aatgttaatc cgcataccta gtattggggt catgttaaata gatcttatct 300
 tacttactca tatgcatgtg aacactctac tttgaatagt tacgacacta tgtcaccata 360
 aaaggaatca tgccttgtat aactacctca ctagatgaat cactagtgac atcagngtac 420
 taactttaag atgcctatgc tcggacacat agccatgngt ttactcagct tg 472

<210> 13578
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 13578

acaccacata ttagtaacac cattatatatt aatacacgaa aattacatat tatacaaaat 60
 aatacaatac gacatatattg aataataact aaaacctaaa taattaacat tcaaacttat 120
 atacctaaac taaaacaaat attaatatga ccaacaaaaa taacacaaaa tataacactt 180
 accagttgaa aaccaattgg cggaaacacc actaaagctt tgcatacaag atacatacca 240
 caattaatta ataaatacca ttattttata caagaaatta ac 282

<210> 13579
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13579

tttcttatgt ttaangaagt aagatgggng ctcgagatgc atntaaacct tatctcaacc 60
 ggacagcttg atgaagttgg gatgatatac cagttcggtg ctggtagatg gaagctatat 120
 agaggaagca tggtcattgc tcaaggtaag aaggaatgct cctggtacat cgtgcaagga 180
 aagatatgca tatggaagat gaatgttgct caagatacaa ccaaagaatt atgacacaag 240
 agatngngtc acatgagtga gaaacgtttg gagtttctaa cataggatca ctttccaaac 300
 ataaa 305

<210> 13580
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13580

tgactcatgg tggaggagat aggaatgaaa ttttgtgttt ttaaactcnc ngnacgaaaa 60
aagtgtgagt tatctgccga caatattatc taaatatttt ttgtccttca attttatgtc 120
acttttgttt ttggctctcc aactcataaa ttatttgtct tagtctctca atatttgtgg 180
tccttcaagt ttatgtcact tttgtntatt cattatgcat gcaaactttt atataatgta 240
gctntctata catgcataac caacctaact aacaagatta acaaactcta acaaccaaca 300
actgaattaa ctaactccac gtaactaact acacgtaact aatctgcacg tgtgttatta 360
tacttggtcg caatagtttc ttcttcttaa catttcctaa cccatcaaan acatcctgtc 420
ctagaagtgt taagcatatg ctntgtggca catgatat 458

<210> 13581

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13581

tatcttcaat tttaatgttt tatcaganca tgtcaaaaac gcgtatcaaa ttatggagat 60
cgtggtatgg tattgtaagt gacatccttg gccagagtgg atctgattgt gatggcacta 120
agcacatgat cacagttgag aatgaanatg cttngnatga atattgcact gtaagtattc 180
tttaatatgt tgctatttgt tattcaaagt agattggatt tgactttttt tttccagtc 240
gcatatatcg gttaaaccgt ttcaattcaa ggtgcttcaa gattgggatg atatagtga 300
tttgtgtgct aaagatagag ccaccggtca tggagcttaa actgctatgg atgctgatga 360
agcgatgagt agagaaacaa atgaagtgg 389

<210> 13582

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13582

tgcatcgacc gatgtcgggt atagacggtc aatttatatc ttgtattata tcngangcng 60
gctactaggg aatgttcgat cggcgtcatc ggggtgatgct ttntatttta gacctcgatc 120

ggccatcttt catggacgac atcggctatc attctctttt cgatcagtat cggagaataa 180
 tgtttttctg gcatagtaaa tgagaacatg ccggtgtcgg ccgaaacaca actntgggtg 240
 agctctcacg aaaaaaccta tccggcctac ttgaaaatt ttatgggcga cgcccaacta 300
 cataacttcc tttactgcaa agaaatattg ttggccatcg ttagaacaaa attgcgcaat 360
 gtggctgaaa atatcatcac 380

<210> 13583
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13583

aatctatgtc ttatatgttt cccattctct tttcttctaa ttacctaag gtaatttgtt 60
 cttttataaa atatctgttt tcaaaatctg ctctattgtt aatctatctt tagatgatac 120
 tttgttggtta tgaaaaaggc ttaaatttaa aatctaatac attctattct tgtgaatctg 180
 ccttacaaaa atccatagaa acaganatac aatttatcat ttatgc 226

<210> 13584
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13584

cccctctaata atctgagcca tcatccacag ggatcaacag tatctgaaaa gctaaccctt 60
 cngataaatg gctcctcaat ccttgttcct gaaganattc attccagacc accatttcat 120
 ggtagggttc cattattgga aaaccgcat gcagatattc attgaagcca tagatctaaa 180
 tatttgggaa gcaatagaat tatgaccaca cataccact atagtagatg taagcacaag 240
 cactacaacc cataaaccta gagataagtg gacagaagaa gatangagaa naatccaata 300
 cgatctcaca gccagaaca ttatcacttc 330

<210> 13585
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13585

tttctntggt tcaggnattc atgtnnccatc taggcctttt gagtatgtcc attttgattt 60
atggngacca tctagaggaa aaactcatgg tggaagctca tactntctca ccatcataga 120
tgatttctcc agaagagtat gattgtatgt ttgaaaaat aagtcagaat cttttcaaaa 180
attcagagaa tggcatactc ttattggaaa tcaacttggg acaaaattaa aagttttaag 240
gactgacaat ggcttggagt ttgtttcaga gcagttcaat gagtnttgca ggaaaatagg 300
catcanaagg cacaaaacag tccctcacac accacaacag aa 342

<210> 13586
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13586

tcattagccc tgacanagag ataaggaaat aagttanaat atatcattta tactcaaaag 60
aaaactattt ttaaccaca atgcacggt catgtgataa aaaaataaaa tgaaatgtca 120
agtttcattg ttaaccctaa cataaccaa aaaaatccat ttaatgaaat acacatcaaa 180
gggagacggt caaacatatt aatgagaaag gcatangaag tatgtgtggc acttagacac 240
cctttcctat ttttatgaaa gttgaatgct tgaaaaactg cataaacaat ctttgaaact 300
tggtttgtaa tgtttatctg gttcacatat ttgatcagc ttgatgaaat gaaagctaca 360
tgttttttta aggttgattn ttcataaac aatntcatat tatttttc 408

<210> 13587
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13587

ttcttttctt ataaattgag tagcacatga tttttctcag aacatgttta ccaaagagtt 60
tttactctct ggtaatcgat taccagtagc aaaatatatt tgaaaaagtt ttcaaattga 120
atttacaact ttccaattaa tttcaaaaag ctgtaatcga ttacaatggt attgtaatcg 180
attaccagtg cctttgaacg ttgaaattca aattaaaatg tgaagagtca catcctttta 240

<211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13590

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 gtgccattct tagtacannt ttgatatatg tannttgcac catgccatca tnnatgggtt 120
 tgtnttttga aaaannagtt tctanagtta agaannaaat ttcttcagaa ggggcagaaa 180
 ctctcttatt ttgatncgat taccacacct tattgttaatt gatcacaaca aagttgtctt 240
 aagcttatag agttgagtct tgtatcggtt taatcgatta caactatctc ataatcgatt 300
 acattgttgt ttgagagaat gactgattta ttcaggagtc ttggctttaa tngattacca 360
 agatcgatta ctttaaggcat ctaatc 386

<210> 13591
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13591

 tncctttatat atatatatat atatatatat atatagatat atatatatat atatatatat 60
 atatatatat attccttttg cggatcaaaa tatataaaaa atattgtgag cctcgtggac 120
 gagattctag aggggtgattt gaagaagaag atcattgtca acagttgtac catttggtgc 180
 tagaaaaatg agtttctgga ctcaccctgg tcaactgaaac acacttggtt ttatctctgt 240
 cagacaggct tataataagt ccatgtttca ttgtcaaata gatatgacgc acatgagcac 300
 atcttcacag ttgtattatc cacaagata tcccacatga atgatgtcct tttatatacc 360
 atgattttat tacatgtggt caagcg 386

<210> 13592
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13592

 ctttcanatg ggtaaaaggt tcacattcac tttcttctac attatatnca aacttggtcca 60

aataaataat aaagttatct cgacacanag taggtcatct aagtttcata caattaatat 120
agaacctata tcctaattgtc acatcctatc agagcgtggt gttcccgtgt cctctagcat 180
gaggttcttc atagtcattcc acctattcat ctgctcccc gaacacaaag ttcaatatca 240
tcacaggatc caaacacaaa tagcaaaccg ggagtgtggt atcacatttc taactactag 300
agagaaacaa cacaacatat agtagccaaa tacaatttac ttagcatatc tcacattatt 360
tcattactgt gccattcatc aatcacactt ttcattccatc aatcacacct ttcaatcatc 420
aatacaatac aca 433

<210> 13593
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13593

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cactgatggc caagaaaata accatttgct ggaaagatgt tggcactata gtttattaag 120
cagaattgta tcaagaaaag ccacaagagt ttgtatgctc tcatagttga atttgaaaat 180
aatgggtctaa cagttagaac ttagaaggat agtaaagaga tgttttgcat ttgaaacatt 240
tattttctct tttatagact acaaaaatgt acaattgatc tatcactctc ccgagtctaa 300
cgcaatcaag tctcttcgga acctcaagaa ccgctactac caacttatga tctttagata 360
taccaattat ttaaggccat atattgatat aattatttgt tgtgtaaaaa tc 412

<210> 13594
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13594

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accacacct ntacctcaat gtggcaaacc atgencctac cgctgcatgc caccaattaa 120
ccccatcttc ttcattgttg cactaaacca caccatccac gacgccttcc gcggccatcg 180
tgtcaaattg acacaccaca tggagatgcg gttcccttcc gtcacccgtc caccatcaaa 240

accctaaccc tcgagccaga actcaagaaa ctaatttgaa ccacaagact acaagatatg 300
 tntgaaaacc atcgaagcac tgtagatct gagatgccat taacatgcac caagcaagac 360
 tacgagatgt gtttgtgtgg aagaaagatg aagatngaga aagagagaaa gaga 414

<210> 13595
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13595

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 accttgctcc ttctggttta atttttctta gaatcttctt atccctatg gtaccagtgg 120
 tcctaaattt aagaaggatt ataatttaatt ttctcattat aaaatattaa ggccttgga 180
 ccatatggcc ttaatcttct tgataattta aggaattccg gccacttatt cttagggagc 240
 caattccatt aatttgaat tattcttaatt ccatattcct atttaattac catatttact 300
 gggataaaga tataattcca tcaagataaa tataactttc taaatcacta atacacgatt 360
 tgatatttga tatatacata catcctctct catcttacac taacactcat atgatgtgta 420
 ttggggtgac tngagcatgt gtctatagac tgc 453

<210> 13596
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13596

ctctttacaa gtaaaaacat tgttctactt caagaccctt tgactactca catagaacta 60
 gtgggtccta taaactatga gtttgggtgg tattactatg tctaattata gtagatgata 120
 ctcaagttca tatggacttt gatntgcaaa ataaaaatga agccttgatg ctttcacaaa 180
 ctgccaagtt attcaaataa aaagtctcac attgttctct tagagtgatg tgaagtgaat 240
 tcaaatagag gtttgaaagt tt 262

<210> 13597
 <211> 319

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13597

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caagttaaaa taagcaacta atgccattat gatgcgaaag gaatctttca tggatacagg 120
agataagggt tctttgtagt caactctatc ccttcgagcg aatcctttgg caccaatcat 180
gtcttggtgc tctcaatggt acctaataaa tcttcttggt tatcgaaaat acatttacat 240
acaatacgct ttatcccatt aggacatagc actagatccc atactgtatt atttcccata 300
gattccatat catctttca 319

<210> 13598
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13598

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acttttcatt tgacactcta aaacttgga gttctactgg tgatgggtag agtagatgat 120
ctcattagtg attcatggaa tggttctact atgatacaat aataaaatat actctgaggg 180
gcatgttgta ggaaatctta tgactctttt gcattattgt gttagataag gagagtggaa 240
tctatttacc atataaaaag gatgtatctg aaaatgatcc gatatcaaaa gttctatact 300
ccttgctaac aaagatctat ttcaaaccat ttctactgaa ttgga 345

<210> 13599
<211> 405
<212> DNA
<213> Glycine max

<400> 13599

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cttgaaaagt gcgagaaaat gagctgtgtt ttctggaaaa cgcatgaac tcgctaagcg 120
agaatgttgc gctaagtgag ttcataata ctcatgtat ataagcttta tctgaagaac 180
tcgctaagct cgctgactgt gctaagcgag ttcactctt gaggatgaac attcatcctc 240

ttgctgaact acctgtggct aagcgaggct gaatcgctaa gcccggttaa cttaccatt 300
 tttttttgtg atagccacac gctaagttga gcattctgga gccaagcgca attggttgcg 360
 gcatccgctg agctaagcga gcttcactcg ctaagctccc atgac 405

<210> 13600
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13600

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 accagaatnt ccccaaatg tcaaggaatg ggggtgtggaa naaccatatac ataactttct 120
 gngatgggtt aataaatcca atctttccag atgagaatgc ttcaaaacca ttaaaaaacc 180
 taccagatgg cctagaaga attgtattac cttgccaggg atccaactta accaggtatt 240
 ctttttactt aaagccataa gatgacaaaa gtccattgca gagcaacgag gtcaccttaa 300
 ggggtgaatc tcaacacttc gcaagtgtga atgacgcaa tccttgagtt gcttccatcc 360
 cttactttgg gttctttgat gacatttgga gcttaactat gtcaaattta ctatatgtgt 420
 tctcaaagt aaatgggttg acagcaacat tgggtgtgcac cccgatgata tangattcac 480
 gttggtagac ctaaagaact tgggtaccac aatgaccctt tcatcatggc g 531

<210> 13601
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 13601

tatcttctta tccaaggctc atcttggtgg tgaagctcct tcttacatgg cttattccct 60
 agtggatggc gctcctctc acctcttctc ctttgtttcc cgctgcatct ccatgggtgga 120
 aaatcaccat taaaggatct cattgaagct caaagatcca gctccatag aagccccaca 180
 agctaacttc catcacttat tgtagtaatt ctgactttcc gcagcctcat atacctcttc 240
 cattcccacc tagagccatt ccagaccaat tgatggatga cgctaccgaa gatatctcgg 300
 agaccttcat gaaagtccag gtgaacatac ccttgctaga tgcatagggc agaatgtatc 360

agcattgata ggcataatg tatctcacat tcctg

395

<210> 13602
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13602

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ccttaataga atgacatgaa tntgtttcct tanaaaaata tctatagcgc catgtaacta 120
atatgaaagt cacaagaggt gaagaatagt aaagagaagg ttaaaaagtg gttgtggaaa 180
ctgaggctct tcatttactt ttgtaatggc caaagatggg atgtaaaagt tttgattcat 240
cgctctcgat ccaacctcct gtttgcacca taattgttga acataatgat aacaatgccc 300
aaccaaaaga atcactgcgt gtgtgtgttg gacatacaat tgaaacaact tatcccacac 360
caaaccaaag gcgctgtcca tctgatcaca tgaccatgcg ccactattta acgtaccttg 420
ttattcttgt gatc 434

<210> 13603
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13603

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aattcccata catctttcct ttaaaattga ttaaactcat catgccataa cataatccaa 120
actcatcttt aatgcatcat caaaattaag ggtcaactna agacacaaaa ccatatgttc 180
acaaaacaaa ctaaagagtg ctagtagtac tctctttcat ataccaatga tatgcatata 240
tgattctagg ggtaccatct ttggaagact gtgatggggg cttttgaatt attgtcacca 300
catttatnt aggaatgttc attgagacct atatatctat caaaatcctt cttctttggg 360

<210> 13604
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13604

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 gaagttttct caaagaagct tctcaaggaa gttttctcaa gaaagcttct caaggaagct 120
 acctagtcta taaatagaag catgtgtaac acttgtaact ctgatgaatg agagtcttgt 180
 gagacacaac tcanagttct acttctctcc cttttcttc cttcaatttc gtgctcccc 240
 ctctctcttt ctctcccttt ttcttttctt ccattgaagc atcctctcta agcttcttat 300
 ccaaagctca tcttggtggt gaagctcctt cttccatggc ttattccata atggatggcg 360
 cctcctctca cctctnttcc attntcttcc gctgcatctc catggtggaa aatcacca 418

<210> 13605
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13605

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 gtggagggtg ctggagcata aacaagtgga aaagagaaac aatataaagc anagcagtga 120
 atgatggttt ggtcgtcaga gtacagagca cgacacaaga actagtggag caaacaagtc 180
 agggagcatg acaaatacaca gaactaatga tggaacacaa cttgagaatg acaaaggctc 240
 attgcactgg tttgggactc cgggcaagcg attagggact gaaataaaat gagaacagat 300
 tgcangacta accagatggn gtgtcacagg tttatttttc caaaacccaa ctgccaatc 360
 anaatcattg gttcacccctt 380

<210> 13606
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13606

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 gtacctcatt gagtgcact agtaccatgg caaagataaa gtgcggtttt gggagcagac 120
 ccactccttt tcaattgaag ttctgcatat ggtatcttgt gctgctcatt tttgtgcctt 180

ggcatgactn taagtancta tgatcaaaaa tgattataga ctnaaaaaaa ataaaattat 240
 gataaactct ctaccggagt gaccccaacc agatatttat actccttggt tttttatata 300
 tttgttttat aa 312

<210> 13607
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13607

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 tccttcggat tttactgttt ttttcttata tgtaaataa aataatataa ggctatggct 120
 tatggacatg gtcattttta cccctaacaa tcttagaagt aagtatagac catgttttta 180
 cgcgataccc ttataccatt tatatttaca tattagcaaa aagaaatctg gatacaaacc 240
 atcaatcttc ttccactggg agcaatcagc cggatgacga accattccat cagaaatcct 300
 tccatttgca tgccatgtta ggtgttttgc gtcgtcctcg ttagcaaana gacgcttaaa 360
 ccttggaatg attggaagat accac 385

<210> 13608
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13608

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 agctntcctc gtacctcaat cagcaatact gcaacagaag acgtactatt attattatca 120
 tcaataanac atgaacaccc aaggaaactt agcatacacc aagtttacgt acagtgtatg 180
 tagggttttc ttcgagccac acttcgtaga acagtgtang gggttctgtg ggttcgatcg 240
 aagggtttcc ggcagtattg agaacaatgt gggacaatgt ggggtgtcgac ggagcggttt 300
 ccggcagatn tcagggtggga ggagaaagag aagaaccgat tcaagaatga ngagaaagag 360
 aagaaggagg gcaaggtttt cgagcgcgcg gggttatgaaa tgtcatgttt taacttataa 420
 acataacaaa at 432

<210> 13609
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13609

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 aataagattt gaataaaaaa aatactccta atttttttat ttaataattt catttaaatt 120
 ttctaacttt ttttctagtt tgaaaaaaaa gaaaagaaaa aatattaaaa taatttaatt 180
 atcattcaat aacttttttt accaaaatca tcagcctatc atactaaaac tagacaaaaa 240
 aaattgagaa aaagttaaag aatctttagt taaagttgta ccaaaaacca aagaanaaga 300
 atatatatga agaggtttga tctattcagt aaaggatagc acagganaat caaagaatct 360
 attgaataat gggcaagtag agaacta 387

<210> 13610
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13610

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 gaaacataga taatagataa ataagttcag acataaaatg gaaaatatgt gcattactac 120
 atttggcata ataagagcca tgaaggttaa acctgtggtg tgggtataatc ccagtagatt 180
 gtaggaactt tcacataatc catgtttctta aagttacttg caaacaattc tgcattagca 240
 gcctccttgg tgtaatcaat ctctgaaaa ttattaatcc atgttgcagt aacaggatcg 300
 gagaatgtta ttgctgaga acacgtgcat acatcatacc aaaacaacag attcacaact 360
 caagcaggaa ctgaaacagg aatgaccact cttatgtgtg atgatcttaa gcccatattt 420
 gtattgtgta gatggttttc ttacatcaag ttttctata cataaac 467

<210> 13611
 <211> 302
 <212> DNA
 <213> Glycine max

THE **WORLD'S** **LARGEST** **BOOKSTORE**

<210>	13612
<211>	150
<212>	DNA
<213>	Glycine max

<210>	13613
<211>	284
<212>	DNA
<213>	Glycine max

<210>	13614
<211>	260
<212>	DNA
<213>	Glycine max

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1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

<210>	13615
<211>	340
<212>	DNA
<213>	Glycine max

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cagatcttct	ccatataaat	aacttgcggt	caatgtgtgt	tgtctttccc	atccacacgt	120
ctccattctc	caacatatgt	aatatcaaca	attatctcct	taaatatatt	gaaatatctc	180
ttctaatacca	ggaaaacaaa	tgtgtgtata	gctgtagcaa	ttgtcataac	tttggttgcta	240
caacaatgac	ccccatgaca	caaagattgt	acaaaaagat	catagattcg	tgaggggtgtt	300
gtctgcattc	aaatttataa	catgaccagt	gcatgggttag			340

<210>	13616
<211>	202
<212>	DNA
<213>	Glycine max

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gcatcttcag tgtttctttt ggaatattat atgtaccacc accataatct gcttgcattg 60
ggacaaaatt aaaactggaa tcattcanta agtgttgcat tattggaatc acttttagatg 120
cgtggatctt ttatgggcaa taatgatgat gatgatgatg atacatattt cctttgagat 180
aacaatcttc taaatatgct ca 202
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5750

<211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13617

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 acaaagataa cagaaattaa aattgggttt cctcccagga agcgcttctt taacgtcatt 120
 agctngacac atttacctga atgggtgata tcaaataaac agtggtatgt gccctttcan 180
 attcttcacc atggtacaat tttaacctct agccatttac tacccatggt ctgtcaggat 240
 tctgagattg tgggtcatat agctctattg caccataaga atcaaatttc ttgataaaaa 300
 aggggtccaga ccatntggac ttcaacttac caagaaataa tttcaatctt gaattaaaat 360
 gtagtacctg ttgtcccggg ttgaagtctt tcttcaaaaa atttttgtca tg 412

<210> 13618
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13618

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 aagcacctga ggcatgcagc tgatgtgttg gttcaagttt caaacactag agntcattag 120
 actccacgaa taagtgttta gcgctgtcag ttatattgac gaaagaactt gacgattgag 180
 taacctagct ctgcaagtac aagttcattg atcaactatt gtgaccattc ttgagtatag 240
 aaacttttgt caacattatg gttggaagcc agatgggtcg gacaagatct tggctctatct 300
 caggaagata aagcatgcca atggctaaag actcttgacc aagtggtctaa gatcttgtct 360
 atcaaactgt aatgaccctc agtttgagaa ctggcgaccc aat 403

<210> 13619
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13619

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ggaaggaggt ttaaatttta cnnccccaag ggggggggga tggagagaac accccaacc	120
ccgaagaaca ccacgacggc agaccaacgc catcccggcg gacaccggag tactcggagg	180
gacctaaaaa caacaactta gagaataatc aagatgaaca gaagggccga agcgcggtgga	240
gcgtaaaaaa ggagaggtac gcgcggaaag aagcgagcag cgaccgaagc gcaacgagca	300
caaaagaagg gcgacagggg aagaggcata gcacgaacca aaaagccggc ggcggag	357

<210>	13620
<211>	411
<212>	DNA
<213>	Glycine max

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tncttttata ataaactcat ccctcgcaat ttttgtaccg tgtggttggg acctgtgatg	120
atcgcgaact ctgttcatg ggagcagaat gacagcagta gagtatgata tgtgagattc	180
ttttgtggag ccaccgagcc gacatgatga cgttgagatt attttatgag agagtgtgtg	240
tttgtaaacc aactcctcca tagctagttc cataattctt ttgttgaatc gaggatgtan	300
atcacaattc taattatatg tatgaacana tttattctcc attatgtgaa tgatgtgtac	360
tgagttacta tacctatata tatatatata tatatatata gtaaattact t	411

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<223>      unsure at all n locations
<400>      13621
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caagtaccaa gaagagctaa atctagccac ggcccacgag cataaagtgg cgggcgagta	180
tgcccgagtg tacgcataaa aggaggctag aggaaggtga tcgactcatt acatctagag	240
gcaacaatgt ggatggaccg atttgctctt actttgaacg agagtcaaga acttgcttga	300
tttctagcca aggccaaagc aatggcggac acctactctg tccccgatga gatccgcgga	360

cttctaagct attggcaccā tatgatagac ttaatggccc atat

404

<210> 13622
<211> 330
<212> DNA
<213> Glycine max

<400> 13622

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ggacttagca acatggagag gagtatgatt gatgctgcca atgggtggagc acttggtgat 120
atgacgcctg ctgaggctac gaatctgatt gagaatatgg cttccaactc ccaacaattc 180
agtgcacgaa atagtctat tgatcttaga ggagtccatg aaatggccac agattgatct 240
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cagcgtgcca tgaatcagaa atctacacct 330

<210> 13623
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13623

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gtgataacaa gttcagcagc atctagggaa agctcttctg cttctattct cctcattatc 120
ttatatgttg aattgatatc ctccttcgat tgacgcctt gcttaagaag ctgttctagc 180
ttgtttcttc caagtgaatg accagtgagc accattggca cattcaaggc acctgaaaga 240
agagcagcac tatctccagc atcagcataa tgtccatgaa taacgtgtgg ccacactggt 300
ttccccccgc taacttggtc acccaatact tatgacatat ngagaatgtg agctaaagcc 360
ccatctacaa attcttgaat atggggccaa agaagttctt tctgtagata 410

<210> 13624
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13624

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 aatacacccc ttgcctttat ttgttgattc tttttccgta acattacgaa actntacgaa 180
 tttcgtaacg atacttgctt tttttccgta atgttacgaa accttacgga ttacgcaatc 240
 atcccttctt tggcttcag aatgtcacag aactttacga attgtgcatt tacacttctt 300
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<210> 13625
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13625

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 ctctttgggc gtattcttta aagattcgtg ccccttttnc acatgctctg tagttgcttc 180
 ctatccagaa ccatatcaaa attgtactga tactgcctaa cgaaagcaac cattaggtcc 240
 ttccaagatt ggactcggga aggtgccag ttagtgtacc aagtagcagc tactctcagt 300
 agactttctt ggaagaagtg tatcaacagt tctcatctt ttgcgtatgc ccctatctgt 360
 caacaacaca tctttagatg gttcttgggg caagtagtcc ccttgtactt gtcaaagtcc 420
 ggcaccttga actcgggaat gaccatg 447

<210> 13626
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13626

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 cttacatttc ttacttgag aaagtgatcc aaggcaagaa actgcatact tttttgcagt 180
 gttctggggg cttggatcaa gcaactggac catatttggc acacttttat cattcttctt 240

aacctctctc cgattctggg acagaacat tacgcttgaa ttcgcttgag cagcgacctc 300
 tctagcatta tttgctgtat ccttaagcat ctatataata taagggatgc caccggctac 360
 accaactatc tttttcatct ccattgagct gcaaacact 399

<210> 13627
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 13627

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 ctcatgtttt ttctgaattc atggcaaatg tctaccaata acaaaaaatg ttatgaaaag 180
 aatttgtggt aaaatttgtg aggaatctc 209

<210> 13628
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13628

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 aaaagtcacc cccaacagcc aacaagtcag ccaccatttg gtctcccaaa aggctgatgc 180
 ctaagttgcc aattgggccc ttattacaac ttgaactaaa gcccttttag ttgattaacc 240
 caaaacatat ttttggtcag ccaactttac aaggattgng ccattattta taaaaactaa 300
 aactctaac attgaaataa agtgggtgtca tttagtcctc catttgngcc atgataaac 360
 tcacaacctt ggacttttct tcttgaaact tgggcttgta ttcaaataat a 411

<210> 13629
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 13629

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ggagggtccga ttcaggcgca taatatgtcg agacgttcga aatagaacaa tgctagctct 180
tgagcaattc aaattgtcat aactgttcac tcggagggtca gattcacgca cataatatat 240
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cactcggacg tgcgattaag ggcataata tatcgcgacg ctcgaaattg aacaatggat 360
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tagatcga 428

<210> 13630
<211> 293
<212> DNA
<213> Glycine max

<400> 13630

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ccctaaagta gccataatgc cggctgcaa catccaatgc caacaccacc cttataaac 180
caaagcacca ccaaggaagc attgtctagc agagaacctt taaattcacc tcaattcggt 240
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<210> 13631
<211> 159
<212> DNA
<213> Glycine max

<400> 13631

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ggtaagacca cttaactttt cactaaaata agcaattgga tggccttctt gcatcaacac 120
agccccaatc ccaacatttg aagcatcaca cttaatttc 159

<210> 13632
<211> 381
<212> DNA
<213> Glycine max

5756

[illegible]

<210>	13633
<211>	385
<212>	DNA
<213>	Glycine max

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aatgttgatg	gtggttttgt	cacgggtttt	ttaatcatgt	ggcgagcttg	ggagatgctg	180
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cagtcttggt	tttgttttta	atttattcat	gtagagaagt	tttattatgg	gagtagaatt	300
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```
<223>      unsure at all n locations
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5757

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 canatgtata aaccaattat aacaagaacc aatTTTTTCC atactattnt ttgtcatca 360
 aactaaaagg aacgagtntc atcattgtta aaataaacia aa 402

<210> 13635
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13635

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 gactcngggc ttctttgaga agctgtctca agaagcttct ttgagaagat agatccttat 180
 ctattcacac ccctctatta actaaattaa cctccttaaa aataattacg gatgaaaata 240
 acgcaacaaa taatcaaaca tcaaacataa ttactaataa tatatatata tatatatata 300
 tatatatata tatatatata tatatatata tatatatata tatatatatc aggggtgttac 360
 agtaattgaa ggcattgtat ttggccacac aatctttgtt cgtggcacac aggttgacac 420
 agccaatctg gaagtcatct aaaaatcgcc tccaccaaca caatgtcaaa ggcattataa 480
 gctctcaaga cataatgtgt tatatacn 508

<210> 13636
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13636

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 tggagaaaag gtttatgaan aatcnaacc ttggacttga ttcaatccag tggcaactag 180
 aggaagctta tacttattta ttggaaccat ttcatttttt tcatcctaaa taccactgg 240
 ccttccaatt agatgaaaga ggtactagtt tccaagtatg attcttcac aatgcttcac 300

aatctagtg catagatgaa caaccagttg gataagtaag gcatgtttca cat

353

<210> 13637
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13637

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gttttcaaca tccacaatgc gcgcataaac caacaatccc ttgtggccaa cttcaatcgg 180
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gccaagcaaa acagggcaaa gggcaaaaac tctgctcaca caccaccaa atcacagctt 360
tcttactcaa gaccaagac atttccttga tccattcgta acattgatca ctcaaattta 420
ctgcagtcac atgcttaacc tcatgtgacc gtggattact acaacatcag actatttgac 480
tactttcaca gcaccg 496

<210> 13638
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13638

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tttacacca tattattgta ttgaattaga ctctgttggtg tatttaagag ggttgggcgt 180
tgaaatgtct cccttgaga ttgcaaccaa tgaattaacc aataattatt cgaaacaaat 240
aaattaaatg accccatctg aaccaaatat atctcaagtt agattntatt tctccaatt 300
cttattattt gactnttttg gatgaaatgt ttatattata tatnccgattt tataactaca 360
taaagatcaa tngcccaggt cactataaca acgctcccct actttttggtt ggcacc 416

<210> 13639
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13639

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 agaaactnta atcactccat agcttctttn tctatttttg acgtcaagga tgctggaata 180
 ttattgaaga taaaagggaat ttacatcatt agcaatattt ggtccaattg atcagggacc 240
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 cttgtctcct ccaccagacc atgaaagaga gagcgacctc ctttgtctga tctgttccac 420
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<210> 13640
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 13640

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 gaagtggtag gattcatgca ttgccacccc atcatgtcat aaacaccttg catatactca 180
 ttattcaca gatatgctaa gtatttgact tttgattgcc cacactttac tgaccattga 240
 ctttgatcat t 251

<210> 13641
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 13641

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cattggatca gatggtatgt tctgactata tatttagatt acttttagtgt gttgattgtc 180
 tatcatactt tacataatgc gttgtgacat gcaatattga gattgatcac ctcaatactg 240
 tgggcattgt aactatgaat gatggcagat agcaatcgat gcctatagca gctgtcctt 299

<210> 13642
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13642

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 gggtgagggg ttgaggatc tctaattgatt tgacactctg gatggttctt ccttagaatt 180
 aatctagttg gttctctttc ttcttgaggt tgttctgtta cttgattaga cacgtctgtt 240
 tctggatatt gntctatcag tggccaatg ccttcgtcca gtcttatatc tataaaagat 300
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 tattccac 368

<210> 13643
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13643

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 attcaccata attttcaacc ccaagaacac ctcaatagaa tggcattatg gagaggaaaa 180
 atagatccct tgaagaaagt gcaagaaccc ttctaaacga aaccaggttg cctaagtact 240
 tttgggcaga tggtgtacat actgtttggt acaccttgaa aaaagtactt attagacctt 300
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 gagtttttgg ttgtaagtgt ttcgttttaa caatggt 397

<210> 13644

[illegible]

Table 1. Mean values of the variables measured during the 60-min test

	Mean ± SD
Age (years)	27.8 ± 2.9
Height (cm)	178.2 ± 5.5
Weight (kg)	75.2 ± 10.5
VO _{2max} (l·min ⁻¹)	3.6 ± 0.4
VO ₂ at rest (l·min ⁻¹)	1.2 ± 0.2
VO ₂ at 30 min (l·min ⁻¹)	2.8 ± 0.3
VO ₂ at 60 min (l·min ⁻¹)	2.5 ± 0.3
HR at rest (beats·min ⁻¹)	72 ± 10
HR at 30 min (beats·min ⁻¹)	155 ± 15
HR at 60 min (beats·min ⁻¹)	150 ± 15
RPE at 30 min	12.5 ± 1.5
RPE at 60 min	11.5 ± 1.5
ΔRPE (RPE at 60 min - RPE at 30 min)	-1.0 ± 1.0
ΔHR (HR at 60 min - HR at 30 min)	-5.0 ± 10.0
ΔVO ₂ (VO ₂ at 60 min - VO ₂ at 30 min)	-0.3 ± 0.3
ΔT _{vent} (min)	1.5 ± 0.5
ΔT _{vent} /ΔRPE (min per unit RPE)	1.5 ± 0.5
ΔT _{vent} /ΔHR (min per unit HR)	0.3 ± 0.1
ΔT _{vent} /ΔVO ₂ (min per unit VO ₂)	0.5 ± 0.2

[illegible][illegible][illegible][illegible][illegible][illegible]

ttcttgtgct ctcaggtgac gggctagtag ttagctctta tcacttcttg cgccaccccc 60
 tgatattgga gggcgaccaa ctgtgcaagt acaaccagag gaggaggcac gtctccagct 120
 tgcacgagga ggctatcgca tagctactat gcataccaag gcaagatttc tctcagaccg 180
 ctgcgatgag acgagtacgg atctgcatac caccacaact ctgatctcct cctgccgaac 240
 agttaactgg tttatgccat catgacatat gtaagtatgc acgtgggtca atggatntct 300
 aatgtcatat attgtttgca nggattgcac ccacaagaca ctc 343

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 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13647

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 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13648

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 ctgtgctatg tttggttttt gaaaaaactt ttcaatactt ccttgtgaa gtcttcttga 180
 tttcttctct tgaatcttga attcatcttc tctagaatct ttgaaatcaa cttctcttga 240
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ttgactcaat cttgaaatca ttctatttgg ctttctgtca tcatcaaacc tacttgatat 360
gtacttgaat caccatcatg atacttgctt atacacttac tgactc 406

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<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13649

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tgcttgnacc aagtaaaaga atataggaga atttgcttgg cacggagact caacgtgata 180
ttattttttt cttgcatcaa tcatatacac attttttttt tataaaactt gtactatttg 240
ttctctcttt atcacattag ttaatcattg tatctctgca tttttcttct ttatctttct 300
atctgacata aaaaaattat agaaatataa tctctcttct ttctcattt tagacaagc 360
cattctacca ttttcataac acacattcaa atgttcattc attgctgata gtattacgct 420
aaacacacac gatcaaattg taattaaaac 450

<210> 13650
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13650

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gaaattgtgc agcaggattt tgcacaagtg cagaaaaata ctatgcattt gctgggttg 180
gaaagagcag tgcagaatga gttctggatg tttgctagta gatcccaacg gtcaaaatgt 240
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<210> 13651
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13651

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 aaagaggaag caaaaaaagg aaagaaggaa aatttccaat caaaggaaaa agagaggaaa 180
 ggaaattccc aatcaaagag tgggagaaaag caaaaagaaa agaaagaaaa ttcccaatca 240
 aagaatggga gaaagaaaan aagagaaggga gaagaaagan agaaagctca tgatcaagga 300
 tcgaaagaaa acaaaagaaa tgtgcagaga ggtctntgga ccagacaata tctgaacaat 360
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 tctccttttg ataccaacca aaatctgtgt gtc 453

<210> 13652
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13652

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<210> 13653
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13653

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ctaacatctt gtctcttaag tcattccacc aactgctaag cgattcotta agttcgtagc 360
atgggtcaaga agcattcccc tataggtcta catcttattg taccatcaa gcatttcac 420
gaacttgc 428

<210> 13654

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13654

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gaagctcacg agaatagtat gaaatcctaa aagcatgtat tcttatataa aatattntat 180
tttatataac anatntataa taaatacata tttttaaatg tataaatttt attataatta 240
aaatttataa tacaaaatat tttttaatat ataaattata ttttagagtt ttgatangtt 300
aaaacaattt gaaatttgaa ataactataa aatggacctt aaaattcaaa ttaaa 355

<210> 13655

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13655

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aacaatatac aagtataggt attaaactct tatgagaaaa aaaatttatg cactgattga 180

tatttacagt ataataagtt ttatacaatc attcaattac aatcaatcat gtataataga 240
 ttnttttgatt tttaaaataa ttataaagta attcaaacga taattntgtg tttaaactaat 300
 aatataaaat tgttttacat tatcaatgta taggtattaa agtctaaaag ataaaataaa 360
 gattgaatat gtgcatcttg agaaataatg agtttttaat aattatgggt attttgactg 420
 cataattatg aattactata 440

<210> 13656
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13656

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 cttgtagtgg tacaaagtag ccaagagtgt gaaaccaatg aatcanattt cagttcacat 360
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<210> 13657
 <211> 201
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13657

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 gggttcatac atatgactct ccaaactccc acaagagtga gagccttgtg cactgngcca 120
 ttatttacia tagaagtgca agaantgtag tagggaccag ggctttctag tangaaaatt 180
 gaatccctat gcatcatatt c 201

<210> 13658
 <211> 236
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13658

ctactatgan aagctgatan gatacatgcc agctaacttt gcggatctcg tcttcgccgg 60
agaaagaatt gaatccggac taagaaaagg caagttcgaa tatgectcca acgtggcccc 120
caacaacaat agaagagccc cagtgggtggg cgcgaggaat aatgaaggag ataccacgc 180
agtcaccacc acctcaacat ggatgaaagc atcccaaaat atccaaagct catacc 236

<210> 13659

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13659

ggatccttag agcacctgcg gcatgcaagc tattttatga cttttcgna tcatgcacag 60
ccgggcagga gttgactcac aataggccaa tcatatctat ggagcattnt ctttgagcaa 120
gtagcctggc ctgaagctca acttccattg gtgagacncc aacgaggttg cttcgcgctg 180
agnccacact tgtgcangtc aattcagagc cagctgaccc acaatctcca ttagtgaatc 240
caccttcttc acctatgctt gaagcagttc tgccatctcc tcctctaatt gtaatttctg 300
acgcatcatc agatgatgca gttgcccctc ctgattcacc aattgcaaaa atagctgacc 360
cctctgtttc ctaattggag gaattgctta tctctctaatt tatcatctag agaagctggt 420
gctctcaccg at 432

<210> 13660

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13660

aaggacgtga ctcttcgaag ggatttggac ttttccaaat cggttttaag tgcttctaaa 60
agtcataact cttctaaatg gttctcttga ttttgattat tgttttctgc ctaaaataac 120
ctctggtaat cgattaccat aatagtgtaa tcgattacaa gcagttatct ctggcaatgt 180
tgatctctgg taatcgatta ccatatttgt gtaatcaatt acaacgcgctc cctgcaccta 240

tatattcaga tttcanattc tgaaacctgc aactcttctc tctctcgaga accctcgccc 300
ccaaattgtc ttccagccat actcactcaa tcttgtccan atcactcccc 350

<210> 13661
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13661

gagatgcagc ggaagacaaa ggagaatatg tgagaggagg agccatccac taaagaataa 60
gccatggaag aaggagcttc accaccaaga tgagtcttgg ataacaagct tggagaggat 120
gcttcaatgg acgataagaa agatggagag aaagagagag gggggagcac gaatgacgaa 180
caatgcagag aagttgaact ttgagttgcg ttcacaaca ctctcattct tcaagttac 240
aacaagtgtt acacatgctt ctatttatag actatgtagc ttccttgaga agctgtcttg 300
agaaaacttc cttgagaaga atctttg 327

<210> 13662
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13662

tatcctatgt gtcgaatggg ttttttaagc ttttaaaaga ttcctttaaa atatcaaaac 60
caaaaaaagg gggtcgttaa ggtgtgaacc ttgaccaat ctcaatgact ttgaataaaa 120
aaaattccag tatgggggtga atttatcctg ggtttggtta ataaccttca atctctttaa 180
agacaacctt acagcactta tgattgggtta aggtaaaaat tacaaaaaca atgagataac 240
gatgataaaa gaggagatga tatgcacaaa caacaggggg cccctaaggt gcatanatac 300
attcaatctt aa 312

<210> 13663
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible][illegible]

RECEIVED

[illegible]

RECEIVED

RECEIVED

[illegible]

RECEIVED

cacacaaatg ggtgatcaga ccaaaagcat acaaacatca accattgaac acaaaaaaca 240
 gaatcaatta gatattaagt atttacatca gttgttcatt agaaatcccc aactaggggtg 300
 ttttagcgagc cattacagaa gaaatcctaa caataataag cttacaaacc caaggtatct 360
 ct 362

<210> 13666
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13666

actcaacttc gtangtaa at caagtgcac catgtccatt ttattctctc tcacggngtg 60
 gaggttgccg catgttctca gaattattcaa aatcagaatg ttcaaaatta taatgctcaa 120
 aaggtactaa atgatgtcta aataatctat gaaatgtcct atctatctca ngatcaaagg 180
 attgtaagtc ggatggattt cgtctagtca taaactaaat tcagcatgca caattagttg 240
 ccttcttatg caagtaatag tataggtttg aactacaact accattaaat gttgtccaaa 300
 tgactagaaa ttntgtgagc aaccttataa aatgatgaga agatagcaca taaaatttca 360
 aacaaaaatt caaagtctaa atatagaatc taaaattggg aagttaagaa aaataagaga 420
 ataaaacttg gataataaca acattntgac agaatcac 458

<210> 13667
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 13667

tttctttgtc ttctaaactt gttttgaagg tttgggtaaa cttaaaagtt ttttttttat 60
 ggataaatgc ttacgagtct acttacatga tctagttgat ttgaaggctt aataataatg 120
 agatcatgat tttttatttt tctaaatatt cattatagac ttaatttatg gtgtcatctt 180
 taacttacca tcacttatga ctatcaccca aaaaattata accaagatta tattacatat 240
 tacttttcat caaatcatgt ttgacttgaa taagcctcac ttgttaaaaa aatctaaaat 300
 caaagaccat caagtattta tcatatattt cacttggttag gcttgactta atcattctta 360

gcttatatag ttatgtatgt caaactact

389

<210> 13668
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13668

aatgaactct ctgtcttgtt gccggtttta tattttgatt gnnatgcata aaatataagc 60
atattgtatt gcggtttaat tctcaatgaa tgtctgggtt gtcattggag atgccaattg 120
tcagtttatt ctttaattctt gatgaaatca ttaagactgt tctaattctt ctgccaggtt 180
ctcctttgct atcttcgaat atgctgaatg accaagatca gttaagggag ttggaaaatg 240
cagttgtcan agaaactgaa gctaaaatga actacagaaa aagggtagtt gttgagcata 300
caaatgataa cagatagtat ggaaggacct gaaccagaa tttgtctcca taatatattt 360
tgtaaatcct gagctggcgg aattgtaatc tactgtttat aactcttatt ctgttccttg 420
ttaaaa 426

<210> 13669
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13669

ttgcttcac taangaagag aataagagag agaggggggt gcgggaattg aaggagatta 60
tggagagaag ttgaactttg aagtgtgtct cacaagtttc tcattcatca aagttatgca 120
agtgttacac atgtttttat ttatagccta gcatatggga agcttccttg agaagcaagg 180
aaggtagctt ccttggaag ctagaggaag aaagctttct tgagaagcta gagaagggt 240
actcatatccc ctccaatagc taagcttacc cncatgcaa aatacatgaa aatgtgaatg 300
tatgtatata gggtttgatg atgcaaaaag aatntacttg ataatgggtg taatcataaa 360
aaataaggag aatgtgaatg tatgtatata agnttttgat gat 403

<210> 13670
<211> 339
<212> DNA

<213> Glycine max

<400> 13670

tttaagccaa atcctaactc accatagact cttgactctg tgtgagaatg cccatccttg 60
ctctcagaag aagacaaaaa aaagaaagt cccgatcaag ggtcgggaaga aagcaaaaga 120
agaaaactcc caatcaaaga ttgggagaaa gcaaaaaaag aaagaaaatt cccgatcaaa 180
gatcgggaaga taacaaaaga aatatgcaga aagggtctttg ggccagacaa tatctgaaca 240
atacagaatt gtcaccacca aataaggaaa gaaaggatac cagcacctga agtggtcctc 300
tccctttgat tgccaaccaa aatcctgtgc gtcagtgc 339

<210> 13671

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13671

gaaatcaaag aatggagggtc aattataaaa taagtttagt ggaacaaagg ggagtcgtta 60
tcaccttta ttcaattact tgtaaaactc ttctttctat atataaaagg tggatatacgc 120
gaggtggggg acccagaata atttagtcaa acaaaataac acatagtact ataagctact 180
cagatcactt ttctttatct tntaactgtg cccctacttt ntgttatatg atgtaaatgg 240
aatggttggtc atgtgggttg actggcctct ttccttaaat ataatttgca ggacantgaa 300
gcatacatag ctccaatnga tcgacnnttt gtttttgccg ttgcgtttag tttcggatat 360
tatgaataat aatgggttgc n 381

<210> 13672

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13672

tctatataag ctgaaccatt gtatcaatat tcacatgttg tgttttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accttggtcg tatcaaagga ctttcacaac ctttgtgtgt tgccctcact ggaaagagtg 180

attcttttctt tcctttttatc ttcacccttg atcttttcaaa ccacaattct agataatcca 240
 cctctgcccc gaattatctc gtggccataa ctcccatgtt actcactcat attaagtgat 300
 tcttgagcct aaattgaatc tcaaaacgag accttncacc tcgttntgga atcacct 357

<210> 13673
 <211> 175
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13673

ttctttgttt aataagaagc ctgnggcaaa tggagagagt aaaaatgagg gaggaaccca 60
 tgctgtgact gccgttccta catggccaaa tttcccacca gctcaacaat gtcattactc 120
 agcaaataac gacccttctc attaccacc accctatcaa ccaggaacac ccaat 175

<210> 13674
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13674

tgccttgccc cttgatatat ttgaaggact catggtcact attaatgaca aattccttgg 60
 gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggtta ggaccactta acttttctact aaaataagca attggatggc 180
 cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactta atttcaaaag 240
 atttttgana gtttggaac gaaagtatgg gggcattagt tagcttttgc ttaagaacat 300
 tgaaagcttc ttcttgtgtc tctccccatt tganaccaac attnttcttg agcacttcat 360
 tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaa 409

<210> 13675
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13675

gcagatgacg aatgtagtct ctgncgtgtc aaaccggcct cgctttgcct tcttggttg 60

accaaaaagg gtgccnggat taaccataa anggtaccct tccgcattgt cattcgggac 120
 ttcgcccgtc ttctggattg acaaaaaggt gcaaaaagac gatggtagtc tctgcggtgc 180
 aacaaagctc gctttgcnn cgtttgacaa aaggtgtaga tgacgatgtt agtctctgcg 240
 tgtcaacaaa cttgcttgcc tctggtgggc aaaaggtgca gataaccata aggtaccct 300
 gtatgtcatc ngctcactgt ctctggatga caaaaggtgc aaaagacgac gttagtctct 360
 gcgtgtcaac aggtctgctt gccctggtt gacaaaaggt gcagatgacg acgttagtn 419

<210> 13676
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13676

nccagtgacc aaacatgacg tgcgatgcaa aacctcaagc tgaagaaaat agtaataatg 60
 taagtaaagt agaaattttg tgggaattaa aggtgattaa aggtgatcta gattccatag 120
 aattagaana agaattattg agtcattaga aagtggaggg ccttttcatt aatgactata 180
 ttactagttt aaaaataaaa ttntatttta actaattggt gacttattaa agtgtcta 240
 tatatgatat agaattattt aaattagtta aagttgtaac actctaaaaa ttacaactta 300
 gacttgacaa gaaaactcta tgttgtgtcg gttgtgcatg tatgaattta atctcaatag 360
 atatatgttc ttaatcataa aatttcgtgg tatgtatgtg tgtgtgtgtg tgcgcgccta 420
 ttgattatta aaagcttgac anagaaaata aaattatcta agctagattt ccgtctgcgc 480
 aagagttgca tttgcattga gtcataatgt n 511

<210> 13677
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13677

agcttcaatt ttgcaactta ggagttgagc aggtaaaaaa gattcgtctt caaactctta 60
 gaggtgactt tgagcgtttg tntatggagg agtccgagtc attttctgat ttttttctc 120
 gagtattgcc cgtaatcaat caacttaaaa gaaatggtga agatgtngat gaagtgaagg 180

tcattggaaaa aataacttcga actttatatc caagttttgc cttcattggt accaacattg 240
aagaaaaaaa ggattttaaag accatgacta ttgagcaact catgggttcc ttacaagcat 300
acgaagaaaa acaaaaaga 318

<210> 13678
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13678

agctggcttt aaatttacat ggatgttgga attaatggga ggaggttgta tgccattttg 60
gttttaaggg tagcatttct tggtaaaact aacttttcca aatgtttgcc ttcgcaggaa 120
atggccccga ggaagcttgt ctcaaagaag tccaggaaag acaaggcggc cgaaggaact 180
agttccgctc ctgagtatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
gaggccatca aggggtgggc gtttctccgg gagcgacgcg tccagctcan ggacgacgag 300
tatactgatt tcctggagga aatanggccg cggcgggtgga catcactggt tactcccatg 360
gccaaagtctg atccagaaat agtccttgag 390

<210> 13679
<211> 323
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13679

agccttatga acttctatct ttgcttgagg gcatatcctc nccatccact aggggtggaaa 60
ttgtccatt taagggtcac cttttcctga aatcctttgt cctgcaccca ccaatccatg 120
accttgaaag gcttangacc ccaatcaaca ctttangatc ttagaaggat anggcaatga 180
tctgaaaaat ctctgtctag tacaaactgt gttgtgtcag gccactgaaa tgatcctttg 240
ctaccctgca atgagacaca cacataanaa tgcaatgatt cttgcggata gtttgcatta 300
gtcattgtat ttagtcttga att 323

<210> 13680
<211> 403

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13680

tctgcatgct ttcttgtctt catcgttgct gctcatcttc attgttggtg cttgtggaag 60
gaaaagacag aaacaatgga aggagatatt ttgagaaagg ctatggcaca aataaattaa 120
agggtgtatg aggaaaactg agcgagacta atttcaaata tggttttaat aaaaaaatg 180
tctttaaata cttgattttt aaaataattt tattaacc gtctttcaac actcaccttc 240
taaaacgggtt ttataaaat tgttgtcata catctcttgt tatttcaaaa attgttaccg 300
cctaacgttc taagaatagt ttatggtaac cgtcttataa gggcatcat aaaaaaaca 360
nttttttgt aatgtcaata ccaatgataa aanacaccat tca 403

<210> 13681
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13681

tcaaggctaa gtctccatgt agctccgtct atctctatac atttcttctc atnaggtatc 60
taagctgtgg ttcttgaaat caagtcttgc aatgcttgat tcctctctt agtcttgaac 120
cttgcatag gacctccaat cccatgtaaa ggatcattag ctaggctggt tgcacctcta 180
tcagtgttgc ataaaagtat aacctatgac ccttgaggag gcaattaaag atgaaaagtg 240
gatgactgtt atgaaaaaga agttgaattc aattgatagg aatcacactt agcaactagt 300
tccattgggt taatgaacta ttgcagtaaa atgtgtttat aagattaaga ggatgcctga 360
tggaacta 368

<210> 13682
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13682

ttctntgtta taaactatgt gcggcaaaac ttcattacta ttattcagta tatacaaagt 60

665404 30412150

agcttgttgc aattcttcta gagttggagt gataacatgc aatccnctta tacctttacc 120
 tctcactctc tcgtcaaggc gagactccag aatcccaaca gggtttgctt tttccatgta 180
 cttagaacaa aactcaatag cttcttctgc aatgtacctt tcaataatag atgcttcaga 240
 acagtgtaga ttctntatat acctttntaa gatcttcatg tatcactcaa tggggtacat 300
 ccaccgcann ataatggaac cgcaacattt aatttccctc actagatgaa caattaagtg 360
 aaccatgatg tcaanaatt aaggaaaata catctccaaa tgacacaag 409

<210> 13683
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13683

tgtgtgtgcc tatgtttctt tcacgggatt caagctcatt aaatgttttc tttncattag 60
 atacttggtg tgagactagg acatcattta ttatgatatg ctcttcgcga ttaataaagt 120
 tgtcaatgct agtggcattt ggaacttgtg acaaagctc actttcttaa tactaaattt 180
 ttttttgcgt tgcaaaaaaa atgaatcaag ttgtcatttt ctctctcatg cacaacatta 240
 tccagcagtt ggaaacataa ggctattaat cacatggcat actttaaggt caattataga 300
 ggtgaatttt gatttttaag gtataggaat gaattgaact cttatagtaa gtttttgaca 360
 acacgagtga caccttaaac agatgagtgt aactcaagat atgacataat ctttctaaaa 420
 gtttcataca taacactcaa cacc 444

<210> 13684
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13684

atcatccata ttcaatacta tttaatcatc attttaaaaa agagtgcggc caattaattn 60
 taaaaataac caaatacctt atttaaaata tatgtatacc ttanacatgt gtaatttggt 120
 ggatcattga ttatgtgttt atatattcaa tagatattaa ctctccttta atgtatgttt 180
 tttgtcaaca tgtttttctt ggcttcggct taattntatt attcttcana aaagagtgtc 240

cgggactttt tgacaaanaa atggatgttn tttatataaa aaanaacaat attctcaaag 300
 agtgtagttt ggaaacaatn tacaagacat atnttttgtc acataatatg tangagaaac 360
 caatctcggt gtcactttat atttgtttta tgtc 394

<210> 13685
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13685

ggagantnct aggagatctc acaattatga atgtatatat tttttaatag gaaatcaaca 60
 actatgggtca aattccttaa taagattcaa ctcaataccc aggttccaat taagagattg 120
 gatctcatta tgaacagaac aatccactca gttgaatgac aaaatcaaga attaacatga 180
 aacaaatcaa atcacatgag aattgatagg atgancgctt ttgtgctatg gtatgtgcct 240
 tacggtatcc aaagtacggg cctctctgct tcctatgatt gaagtgaaga ttcacaatgt 300
 ctgctttcca tactctgaca agtaagcaag tcaactaact tggtgaagaag aanacaaana 360
 gtatttcaca atagaacttg aagctcgaag cgtctncatt gagaaaatan agtatgatta 420
 aaaaatcaaa ccattgggta agctgggctg gatagacnat caacat 466

<210> 13686
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13686

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 atgtggatgg ccatgtagat gatagcaaaa gggctntatg tgaccatact tgccacagta 120
 gtgacacctc cacttctttt ttttgctcct tttctgctgc gttccatgat gtcgagaccg 180
 atgttgtgac atcgtggctc cagtgtgtt tttggcagga acaaattctg tcatggttgt 240
 tctgccagca gacttaggat taaatccaag tcctctctgg tttccaacat tctttccaag 300
 ctgcagcacc tcatcaagcg tatctgagcc tttattcagc atctttattg attctgtcat 360
 gttttccagt ttagagttca gaaaaccaac ttctccttta agctcagag 409

<210> 13687
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13687

cactcaagct tgcccagggtc gagaaggagc ttgtccgaac aatttagctt tatcaaagan 60
 aacatgtggg ccatcatcga ccaatacaag gaaaagttaa gcctagcggg aactcacaaa 120
 caaaggctag aggacgagta cgtgaaggta taagtccctgc aagtggaaag ggaagcaagg 180
 gaaagggtga tcgattcatt acacagagaa gcaatgatgt ggatggatag gttctccttt 240
 actgaaattc tgatactgtg gacagatgtc gtacaggatg tcacgacatc gcgcttcaga 300
 acatgcagct agtatatgac cgtatgaaca gaataaaca gtaaataaca caagagaatt 360
 gtaacccagt tcggtgaaac gtacctacat ctg 393

<210> 13688
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13688

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 gatggggtga ctgcatgccc gaatatgtgc ttctagtgcg aagctcagag tatgcttctc 120
 ttaggcttan attcactatg aaccctatgg gtgggtgcct agatttcatt atgtaaggag 180
 aaatcgaaag tgcttgcat cgctggtgaa actcaccatg cataatggac atctaatttg 240
 tgctgaatga cacaactgga ctagatccac taatgaccct atgggtgggt gcctaagttg 300
 cgttttctaa gtagaattcc atattgctag agaattgtgt aaaactcaca ctgcataatg 360
 aaaatctaattcgggttg 378

<210> 13689
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13689

cttgctgctg gatccatcaa ataatcatga aaaacttata aatttatgca tgaatcaact 60
 agatntaagg gtagtnttgg aagaaaacta ttacaatcaa aggataagtg ctaacaatnt 120
 aaatcccaaa actacttana tntggcactt atcaatgcac tacaactngt aaaaaagaaa 180
 tcaccttgaa tgaagaaggc aacctattgn gccagatgaa nagacactnt ttgaattnca 240
 atagtttttt ggaactatag caagaagttc agaattttgt cactcaatta cactaattgg 300
 aagcctctag acaaagaccc tatatgggat ttgtgtcaat gtactaactt tatccatttg 360
 aacatgcac ttagcatact taanatgaat nggatcttcc taaatatttt tctttcattg 420

<210> 13690
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 13690
 tagcttgcat tttcaatata ttgattccta cgcgtcgagg ctgtggatcg ttgatggctt 60
 ataagtgcta cacatactaa ttacttatat aagctgaata tatagactgc aactacttta 120
 tccatttcta tccggaactt atacactgat ccgtacctct cgccttgatg aacatgtatc 180
 accatccata ttgagagata tgtcagtgat tcaaactacg atgtctaccc tgggaacact 240
 gtactatgat cccatgagcc atagctacag catcaacgag cctggttctc aaatgcgata 300
 cgaactcgaa cattgacatt gcattctcagc tacacaaagt ctctaaacta acacat 356

<210> 13691
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13691

tgcatagtc agagacttct attgcatttg tgcataccac tttgcgataa ctngatgagt 60
 taggactagc gttcattcca ttgctgcata tcagatagat atcacgctgt acatcattga 120
 gatagaatga gacggtcact tggcactgag ggacattgtn tcacaattac gcactatatg 180
 aagaggtgag atccattctt gatatggcac cnagacgtga agccagcctc cttaaacta 240
 ttataactat actagttgca atcaatattc aactacatac actgcg 286

<210> 13692
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 13692

agcttcatca ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatccgag 60
 taataaagtta ttgtcgtttg aattgggtca gagcttcaac attcaatttc gaggggtctcg 120
 atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattgggtc 180
 agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatcct 240
 agtaaaaagt tattgtcgtt tgaattggct cagagggtca acattcaatt tcgagcgtct 300
 cgatatacta cgggacctca tcagacatcc gagtaaaacg tattgtcgtt tgaatgggtc 360
 agagctcaac attcaattcg agcgtctc 388

<210> 13693
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 13693

tgagccattc agacgacaat aacgtttact ccgatgtctt attgagtccc ttcatatatc 60
 gagacgctcg aaattgaatg ttgaagctct gagccaattc aaacgacaat aactttttac 120
 tcggatgtct gattgagtcc cgtaatatat cgagaccctc gaaattgaat gttgaagctc 180
 tgagccaatt caaacgacaa taacgttgta ctcgatgtc tgattgagtc ccgcaatata 240
 tcgagacact cgacattgaa tgttgaatct ctgagccaat tcaaacgaca ataacttttt 300
 actcgatgt ct 312

<210> 13694
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 13694

agcttggagc aaattaaatg ctccagcttg aggggaagtg ttaaacaat atattgtaga 60
 gagctgtatt gtgtagacaa ctatgtaggt aaaaggctat tttgagtgtg tgtgtgtgtg 120

tgaggttgag tgtgtattaa gttttatgtg ttgtcatgtt gagtgtgagg gaaactgagt 180
 atctaactct tatccaaagg cagtctctct ttctatttta tatataaata tataagcagt 240
 ggctgagaaa taaaaaaaaa aaaaataact cagcacttct ctattgtatt gtgtaattca 300
 aatttcttag caatgtagtc acttcatttt caacaattac atactcacca taatgaaccc 360
 aagccttaat gtcataatct aatttggtca cagatca 397

<210> 13695
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13695

tgaagggatg aacacttcta agtgttggtc tatgtggatt tatagtccaa agagaaaata 60
 cattgacaaa tccaaaatcc taaagtcaat agagatgatt tattttaaat aataataata 120
 ataataataa taataataat aataataata ataataataa taattattat tattattatt 180
 attattatta ttattattat tattattatt attattatta ttattattat tattattatt 240
 ttattgagtc cttacactta tactattatt atgtgntggt cttagatta tatctagaaa 300
 ctacgttgta atctatacat gtacttttaa ttccattata atctttattt cattaagtgt 360
 atactaatgc caccaaattg taatttatgg tggtagaaag ccaccacaaa tntattacta 420
 agatgatcat tgttgacaat gtaacaatcc tta 453

<210> 13696
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13696

aaaaaaagca catgcattga cgaagactca aaataggag cacctcacac ttattaanag 60
 gaatgtccag attacgataa gatttgtcaa gctgttaagt tattgatgca taattattag 120
 tgtaaacaa atggtgaagca tcacggatgt atgtgtcatg ctatgattac tgataaagtg 180
 taaaattaaa agatttggtc tgggttaggt gtaatacgat cgttattggt tttttctacc 240
 ctccc 245

554401.99

<210> 13697
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13697

gctttangga aaacttggtgc ctgggcaacc tgtaactcag cttgcctaaa tcnaaatctc 60
 atcntgccct gttctgtttg tagagtctgg gtctatgttc tttgctgac accatacaga 120
 tctctgtcct tctttgagta attggagtca tagcaacctg aacctatgct gaacatttat 180
 atagaccctt cacagcaaac cacaataaat attatacttt cagcacagat caatccagt 240
 gagaatatca atctgaatgg aaatctccaa caccattctc cttcaaagct gtgtcaacag 300
 catatgtctc tcatgacata cataactcaca 330

<210> 13698
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13698

tttcaganaa tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaag 60
 gcctatatat atgtgacttg agacacgaat ttgctaagag tntttcagaa caaaaaggtc 120
 ttatcctctt ataaagaaaa atcgttttat cctcttaca attccttggc caaattactt 180
 gtgattcaat aaggaattat ttgagtgtc aaattgttca atctatctct ttcaagagag 240
 atttcttctt ctcttcttct tcattctgan nagggattaa gagaccgang gtctcttggt 300
 gtgaaataat tc 312

<210> 13699
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 13699

accattaaaa aaagctgtcc ctccatccat ctgttgcaac tcaaggtcaa aatgagcaac 60
 taatgccaag attatacgaa gagaatcttt cttagatact ggagagaaag tctctttata 120

atctattcct tccttttagag tagatccctt acaacaagac ttgccttgta tctctcaatg 180
 ttagctaataa aatcctttttt ggtcttatag acccatttac atccaatggc cttcgcccca 240
 ttatgcgact ctaca 255

<210> 13700
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13700

aggaaacggg nnggaatgag ccatcganan ctgagacntt cggannctcg cgagttcctc 60
 agagccgacc tgaggcatgc aagctatctt gngggtttan atttttacca gaaggacggc 120
 aatggatcca tagtatttat aattagctga ccatcggata ttgctgatat atatacataa 180
 ggtaaattg gatagtggat acggtggaat atattaaact acattgaaat ttgccaaaac 240
 caanaagcct ataaccattg tcttgggtgc attctcattc aggaacaggt ttcacttctg 300
 aaaaaacaaa attcttacat aaaagaaacg gctctgttca atttgcctat ctgatctgct 360
 gtgtctcatt accatgatta caggtcattc agtgacacgt gacagtagga actcctcctt 420
 ctacatggat tttgagacc ccatgtgtgc tatacccgaa tcttcctag 469

<210> 13701
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13701

ggcttggttc tacaatttcc ctctttttga tgatgacaaa cctgaaatca agaaacacat 60
 acacattctt tttcctagtc gatcactcac ttaattctcc atattctccc ctttggtttt 120
 tgagttaag cttcacttga aattaaatta attaattata tgagttcttg atttaatccc 180
 tattttctct cctcttttgg catcgacaaa aagccaaagt gtgtaagaaa tataaaacat 240
 acatgattta naaacaacat acacatagca tccgttgtaa atcaatcata aaggatttct 300
 aactaatcat gaagcanggc atgaaaccaa atataaatgt aaaccacata gtcataatac 360
 agaactcata aatgttcact cataactaagc anatattaaa a 401

<210> 13702
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 13702

agctttttatc caattggact aacctggaat aaatgccttt gatagccctt ttgagccttg 60
 ttctcttttc cttgtttgga agctactaca acccttaggg aaaaacatga tataccatat 120
 ccttaggaat tttgagcttt gaattgtttg ggaattaatg tgggggggtt ttgttcattg 180
 acaacttggt tgtggctatg ctcatgatga ttttggccat actgatgtac atgatattgt 240
 taaatgttga catgctgaat aaatgttgtt ctcaaggcta agagtaaaaa aaaaaaaaaa 300
 tcgaaaaaaaa aaaaaaaaaa 318

<210> 13703
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13703

ggagatgaaa aaaatcatga ggaagcggta tgtgccggct agttactcaa gggacttgaa 60
 attcaagctc caaaaactaa cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat 120
 ggatgtgctc atgattcaag cacatattga agaagatgag gaggtaacta tggctcgatn 180
 tcttaatggt ttgactaatg atatccgtga tattgttgag ctgcaagagt ttgttgaaat 240
 ggat 244

<210> 13704
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13704

cttgcgtagc cgctcttggt gctcagagat ttccaaaatt tattcctctt atnactagct 60
 attttgaagg ctttagttcc tgaatgtaca accttcaaat tggtgctcgt tccccctctt 120
 cttttctgca aaaaagaaaa tcaaatgctg tcaaaacatg gatgaagtcc taagaaaatc 180

aatatcaaag aaaacatgga tgaaatcaca attaaaaagc acaactacct atctttcaga 240
 gtcctttggt taatttgtct tgtctcctta tgtggtggag ttttgtttaa taatcttata 300
 ctatctgect tccaaaaaaa cttatcacta atccctcttt cattaatcca atattgtatg 360
 ttattgtata aaagatcatg ggttcttcac ctgcctccac t 401

<210> 13705
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13705

tgcatcagg aacctaacaa acaatacaag atgcttcact tccagtcctg ctccaatgaa 60
 taaatcttta taagtaaaac atgtatgttt attctaactc accccatctt ggagcttgtc 120
 ctctacagca gtggcaccaa gaagaattag gttcttctca atcttatctg atacttctc 180
 aatcattata tcttgatcag cactgactac attcttggcc ctagagaatt tactatcaaa 240
 ctcttggtat tcttctgcat caagttcacg ataggccagt ataaagggtc tcaaaccgcg 300
 atcagcatac tcatgcacat ngctcatggt tttctcttca aactccttcc tattcttggc 360
 aagcctttca aacatggtgc tgcataaaaa catcactc 398

<210> 13706
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13706

cttaccataa aacggtaatg cttgcaaacc ggactttgta cccatgacca ttgtaagtct 60
 ccattaatga caacctttgg tatggaaaag ttaaataaaa tgtatgtctt ttctcattt 120
 aatggttctt ttggtagggt gtacattatt ntatgtttag gttaattttt tctcagtaga 180
 tactccctat attgtgaata aatgtgggtc aacttcagtt cacgtgaaag atgaagaata 240
 gaagttgagt agctgtgtct cctaataagg ctatgcccta gtgagtacat cactaacgag 300
 gcctcactcg ctagtgggtg gagatctgg 329

<210> 13707

<211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13707

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agcttggttg taaactatat gccttggtta acccggtaac ccaactggcc atgaatcaaa 60
aatctgcacc tgctgctaga ctctantggt tatgctctc tgacgaccac cacacagacc 120
tttgcccttg tgtgcaacaa tctgaagcaa ttgagcagcc ctaagcttat gctacaaaca 180
tctacagtaa acctcctcaa cctcagtagc aaaatcagcc acaacagAAC aattatgacc 240
tctccagcaa caggtacaat ctgcggtgga ggaatcatac caatcttaaa tggctgagta 300
cttcacaaca gtagctacaa caccagcctt atttgtcaaa tgttgctggc ccaagttgac 360
catacgttca ctcaccgatc cagcagtaac aacaacaaca gca 403
  
```

<210> 13708
 <211> 362
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13708

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atgatgccac acatgatcaa cagctatgct acttcctagt ttctttactg tggatagctg 60
cgattcagtt cggaAACct gttatcctct tacacgttga acacttgatg cgtgctagct 120
agtcattctt ccatatgctg taccatataa gatccaaaag aaatagttaa taatgatgca 180
tgtacacttg ctctactggt ccatgctaga atttgcatgc gctgcatact anaatcattt 240
aaagagagga aaggatctat agaatagaga caagcgtgtc tctgttctat atatncagtc 300
atttaattaa atacacgcaa tggatttctg catgttcata ttttaaataa ctatattaag 360
tc 362
  
```

<210> 13709
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13709

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tacaacgtat gctgcgtgtg acatcgtctt ttccgactat atataaataa acaaaatata 60
  
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taaaaaatat tggtaaacia attcacgtgg gtaaaagggtt cacattcact tcaactattac 120
 caaataaaaac ttattaaaaa tatattcgac tctaaacaaa gccgtcaaaa tttacaaaaa 180
 acgttttgggtt aaatcaatga ggtaaaataa aatagactaa catcatgcaa ttaatataga 240
 gcttatgctc caatgtcaca tcctatcaga gcattgtgta ccgacgtctt tcagcacaag 300
 gttccttaaa gtaaattacg tagtcatctg ctcccccgaa cacacagttc aagatcatca 360
 catgatccan acacaaacia cacacatg 388

<210> 13710
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13710

catgttggtc tgaaaatcta aaatgtaact cttaaaaatg tttgactttt ccaatggggtt 60
 tagctttcta aaagtataac tcttctgatt ggcttcttga ccagacatga gagtctataa 120
 agcacgcttt gnttcgcatt ttctatcaag tctttctaac attccatata tccttacagc 180
 cttgatctct gtgaacttct tcttctcttg tccaaagctt atgaaatttc tggttttcaa 240
 acctgaaact tggctatcat cctt 264

<210> 13711
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13711

ccactctccc aattttacaa aatcatattc atatatcatt ggggcatttc accgagcact 60
 tgggtgggcgc atgtttggac ataaattgca agagaattgg ggcaatgtgg catgccccat 120
 tgcttcagaa tacaacacag gcctaaggcc ttctcacaca aatcctcaac tcaacaaatc 180
 aagcatcana gcaaccana actgcctcac aaatataagc acgttctcac aatntagagc 240
 accaaaagat gaagaaaaca catcaatgag aagctaaaaa cctcaggatt gaatacttac 300

<210> 13712
 <211> 353

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13712

 ccttgctcta aattacatgg aggttggtat ttttgaagga tgtttttgcc atttttggtt 60
 taagagtagc attccttggt aaaactaatt ttccaaatgt ttgccttcgc aggaaatggc 120
 cccgaggaag cttgcctcaa agagggtccag gaaggacaag gcggccgaag gaactagttc 180
 cgctcctgag tatgacagtc accactttaa gagcgtgta caccaggagc gcttcgaggc 240
 catcaaggga tggtcgtttc tccgggagcg acgcgtncag ctcanngacg acgagtatac 300
 tgatttccag gaggaaatag ggcgccggcg gtggacatca ctggttactt cca 353

<210> 13713
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 13713

 gctttatgta aactgatgcc ttggtaaccc ggaaccaac tgccatgaat aaaaattgcc 60
 ctgtcgttag ctctatggtt atgctcctct gccgacacca cacagacctt tgccttggtg 120
 gcaacaatct gaagcaattg agcagcctaa agcttatgct acaaacatct acagtagacc 180
 tcctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct ccagcaacag 240
 gtacaatctc ggggtggagga atcataccaa tcttagatgg tcgagtcctt cacaacagta 300
 gcaacaacac cagccctatt ttcaaaatgt tgctggccca agtagaccat acgttccttc 360
 accaatccag cagtaacaac aacaacagca gc 392

<210> 13714
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13714

 agatttaagc caagccctta ctttcgaggg gcaactccca ccttatgaag actatcccgg 60
 gcaagacgat ggggaatgag ataccatct tggccccctg ctccacctca aagatccatc 120
 cccgatgaa ctaccccagc cgaacatagt ccactatata ccggcctcac ccacaccgt 180

```

aaaagaatct gttcccttcg cggaagataa gggaaagatt gacgcgcttg aagagagggt 240
aagagcagtc gaaggccttg gcaattaccc attctcggat ttggcagatn tatgtcttgt 300
gcccaacatc gtcattcttc tcangttcan agtaccagac tgtgataagt acaaaa 355

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<210>      13715
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13715
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<210>      13716
<211>      348
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13716
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<210> 13717
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13717

aggggncaag cggganaatg aaccttcgat anctttcgaa atctagctcg gacccgggat 60
 cctctgagtc gacctgcggc atgcnagctt tatctggatt atttgtattg ntncgatggt 120
 gaattctggg tggctctggt gcggaaatga tggtagacgcg ggtgaaccag gagcggcagg 180
 ttcttttggg gaaggaacca tgggaaaaca gaccgttggg atgaattcta aatctcagat 240
 actattggga tatgctgata aaacacgaat gcccaccgat atattttgaa tgagcatgta 300
 tagggcgtgt gaagcaccgt cgaattgctt gtgggaacgg ctataatgtt agtgattcgt 360
 aggcacgtca gatagcataa ctgcttaatt ctctaccgac aatgccactt gccctagttt 420
 tcaactgatt gctccagcct tggaaatatt gctttgtcn 459

<210> 13718
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13718

agcttggttaa tggagaattg cactaatcaa tcactacgca tagctgcaaa ctggaagggtg 60
 gaggacacat gaacgaaaac acaattcatg gggctccgaa aaaaggggttg ataatggaga 120
 attacactaa gcaatcacta cgcatagctc acaacttggg ggtggaggag acatgaacga 180
 taacgcaatt catggggctc ccacaagatn gaaaatggag aattgtacta cgcaatcact 240
 actcatagct acaaacgcga aggtggaggg cacatgaatg acaacgctat tcatgggtgct 300
 tcaacatgat tgataatgga gaattgcact aacaatcact actcattagc tcaaactcgg 360
 aggatgagga cacatgaatg aaaatcaatt catgcggctc cca 403

<210> 13719
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13719

ggcncggcgg cggtcnnngn aactggccat gaanctncga cnacgaaacn atgctnaagg 60
gagcctacca ttctgctggg accaatgggt taataatttc atcanggcga acaatcttcc 120
actactttgt ggtctatatt acacgcccg gtagatcctt tagaatctga atagttcggt 180
cagtctgacc atctngttga agatgaatag ctgaactaaa gcttcagctt ttgggtcccca 240
aggctttcat tgtagaactt tgtccaaaat cggaagtga accttggtatc cctgtcaata 300
catactagag gaattcctgc accttctctt cttgattaca actcactagc tnttgcattc 360
tatacctcat attcactggg ataaaatgag cagatttggt gagtcgatct actatgaccc 420
acacggcatt atgencacga ctagtcttgg gtaaaactaga tacaaaatcc atagatatgc 480
tcttccat 488

<210> 13720

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13720

tgcattgtgaa ttaggacgca ttatcaagaa tcaagccaat gctattgtgc aagcaatcaa 60
tggggcataa cacaccaat gattatgatg atggatggct caanattatc acanacgtaa 120
aatcatcact ttcaaattga gctttcaaac tatcatgaca tgtagagaaa aatcaaagat 180
ttcaagtcac aaaatgtcaa gaactttatt ttccaaaaca ataccattt cttgaacata 240
tcctataatt caaaagaaaa catgctaagt cgtacgtgca cacaaaattt gaccctaatt 300
attatactaa aaatctga 318

<210> 13721

<211> 280

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13721

tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaaca taataacgtt 60
ttactcggat gtctgattga ctcccgaat ataacgagac gctcgaaatt gaatgttgaa 120

gctctgagcc aattgaaacg acaataactn ttactcgga tgtctgattg agtcccatca 180
 tatatcgaga cgctcgaaat tgaatgttga agctctgagc caattcaaac gacaataaac 240
 tttttcacgg atgtctgatt gagtcccgta acatategag 280

<210> 13722
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13722

agcttctatc ctttanttac atttcaattn attgaactaa tgatctttga actaataata 60
 attaataata ttttaataata atatattaaa aaatatttat tggagttgaa ttaagaatgc 120
 cgattcataa ataaattgag agaaattgga atggtaatgt ctatacaaac ataaacagtt 180
 tatgagaagt ggtggttact tacaatatatt ttgacacaca agaaaataat tgttacctat 240
 aaataacaat cttgaattta ctagtagtga attaataatt attatctata aatattaatc 300
 ttgtaatgta ttaggggtga aacttctgcc ctacanactt gtacaaatcc cgacacattn 360
 tgtactcatc 370

<210> 13723
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13723

aaactagttt tatatgtgat tatatatgtt aacaattatt gtacaccaa aaaatatatc 60
 gtaacaatta atgagtaggg gttttctttt ttatattcaa caactagatt gattttatct 120
 ctttttggtg tcccccgat ataaaggatt tggtttcatt agaattgtcca ttcttttttg 180
 ccaacagtat gaatttttat ttcaatctta acgaataagt gcattaacat tnttacacga 240
 aaatntactt ttaagcatcg gaatttgaat gattccttaa gaataatgta agagggtccc 300
 tgcttatatt ctaactaaac atac 324

<210> 13724
 <211> 364
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13724

agcttggtga ctataccttc gaccgaacac gaccagtgtt ctgtctaggc cgggattcaa 60
ggcgggctgc aacacccgct ctgcttcctt aactgtactg gaggcgggtg tcatggctnt 120
atcctctatg gttttctgga agtttaacat gacctccgag atggaagcca ttgatcttt 180
taaggccgat agatcggcct tcatctgttc ctgcacgccc tcttcattat ccatttttct 240
ggatcgagtg ttatanggtt gccttggtgg tttcttaatt atgatgaaat tcctaaagaa 300
ataaacaacg gtgagtatgc caccaaaaca tgagtatgcc aatggatgat cggaacactt 360
ggat 364

<210> 13725

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13725

tgccttggtc cctttggtta tgtagtctct acttctagt accatttggt atccctatat 60
atgtctgaat agttagctaa taaaattaaa actctctaga tggtaggatcc cattctntaa 120
tggtgncatt ttcctaactt gtgctcaaaa catcacaagt aaattagatc gttatcctcg 180
aagaatgagg ataaatgagt aattatgtag atctaataag aacgatgata attaattatg 240
tagaattgct attgatgata tactccctta tgataatgga ta 282

<210> 13726

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13726

agctttatca tcagaccact tncagggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tggtgtgtg gatgatttct 120
ccagatttac ctngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaanaag actgtgtcat caagagaatt angagtgacc 240

atggcagaga gtntgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300
 atgagttctc tgcagccatc acaccacaac aaaat 335

<210> 13727
 <211> 177
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13727

caccaccatg aatgtgcctt ggataagaag cttgaagagg atgctntaat ggangaaaag 60
 aaagagagaa agggggagca cganattgaa ggaataaaag agggagagaa gtggaacttt 120
 gaagtatgtc tcataagact ttcattcatt caaagtacaa caagtgttac acatgct 177

<210> 13728
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13728

aaagaaccac cttcaggtcc aaaaaagtga ccaccttagg gcctggcttc aaatccaaat 60
 tgaccaccaa ggtaggggtt caaaccattg aactcaattg caaaagcatt tagggttttt 120
 tgaactaaaa tttttttttt tattttgatt tacgacgggtt ttttatatta acttgcataa 180
 ttntataaca caaaacattc tanggtgggtt tcaataaccc gctanaatgt acgtcgtgaa 240
 ttccaatttc aatatataat tacaaaattg caccgtatca ctttctanag cggttcccta 300
 taaccgcgt agaaccgtgt cgtaaaattt ttttttgagt agtgataatt aatactttca 360
 cattagtatt acg 373

<210> 13729
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13729

aggggnaagc gggggatgag ctatgagccc cttgaattcg ananngnaca cggaatccnt 60

taaaggcacc ttgaaggctg gcaagctggt tatttacggt atttacctan ngggaccccn 120
agaagcgatt cttaagaaat atctctcana ttaaataata ataaaaccac attggggggtc 180
attcgcaaga aggaaattaa gctcaaaaaa accataacca ataagggata attacttacc 240
attggaaatc aaccaaaaaa cttttaggaa ttaaacaaaa agcttctatt gtgtggggtt 300
cacaactacc acctcttgag agaaagggtt ttaggccaca atggatacat gaagaattga 360
gatgatgaga caaattgaaa taggagaaat gaagttcttc atgttgatag ggaattaaga 420
gaagtaagtg atcctttatc tatccactac ctcttttttt attcccaccc tctctaattg 480
ttttggacta aatattn 497

<210> 13730
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13730

agggagggga agggagctgt gcgctgannc ctgaattctg angnncatgg gatctntgag 60
ncacctgagg cggcagcgtg ttgttagtgt tgggcggtct cctcacgggtc ttgtcgggac 120
tgcgagcttt ggccaactgca tttccttcg cgagcttctc ttcataaccg gcctgagtgg 180
gtttatagcc taaccatac tcccacgatt tcctttggca ttataagcta ttatgccgct 240
ggagctttgc cccaacccat tcggagtcga accgggtcca acataactcg accattatta 300
tgggtgctcg acaacagctt gcccaagaag aacacggaga aatgctccac ctaaagacag 360
aagcgggtca aagaccctct gcgggtccaa aagcataagg aggcagctac caaaggttct 420
cccgacaaa acaaagc 437

<210> 13731
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13731

agcttttaat gtattgacaa aaaagagaaa acccggaacc cagggggagc agnggagaca 60
gannnaagcc gagcngaagg ccaaanggac actntcaatc gacaaggaca gtgtcgatga 120

cactgtatac aaaaagtatg acataagata agagaaatgg gcccaatttt atcaaagccg 180
catagaccct tcatgggagg taactttgtg atcttcattg ttttcaaate taaatcgact 240
tattattatc cattgtaatg ataagtctca atgggtgttta atatttgcag gatgtgcgaa 300
aaaagcacat gccatccaga aacaaaatat tgtccctcac atgttgtctc gtgagagtta 360
tgaatatctt gaaaacaaga tgat 384

<210> 13732
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13732

aaattgagtg gggagaaaat tttcactaat tatgattagt gaatttttagc tatggttcag 60
cccaccaatc caagatcaat tccaagattc tccactaagt gtgcttaggt gtcattgaggc 120
atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgtagc 180
aagcaaatga tcacctcccc ctctaataat taattggatt ggtcttctcc caattcaatt 240
aaatntattg ctcaacacac acatcaaata tggacttaat taacgtgaaa ttacaaaact 300
accctaata cacaactat agtct 325

<210> 13733
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13733

ctttggaaaa aatcttcaga aacaagtcac ttgttgaatt gtgacttttg gaaatgtatt 60
ttttgaaatc agtcactggg aatcgattac cactaaagtg taatcaatna cacttcaaca 120
gatgtgacta ttcattttga atcttgaaca taaaacgggt agaaactctg gtaatcgact 180
acaagtattg tgtaatcgat taccaagttt agaacactgt taaactattt aaacataagt 240
tataactctt gaaattaaa 259

<210> 13734
<211> 415
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13734

cgaatacgct cttaatccgt agcacnccgc nnatagntat tctccnnena cncanagagg 60
agaggggggtt tcatctttat tgtannanga ngacgggatg tgggcgttta ataccacttc 120
ctcctctaata ggacgcgaga tgatgtgccc aagtgggggtc gcatgatctc gttttgtatg 180
cacggagaca cgttcctctg ttcacaagag ttctttgtgg cgaagcggaa agaacacttt 240
acattaaaaa gtttcgattg gaccattatg aaattacttc cttcacagg gctcaagttg 300
ataggacaca taagtgcact cttctgaaga accggaaaag gggcctgacc catcaacaat 360
tagttttaca cctcccattt ttttatatgc ggtgagcggg ctttggttgg tatcg 415

<210> 13735

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13735

nggggaaagg gagatgatgg cttgaacttg acacaagacg ccacggatcc ctgagtcctt 60
gagcaccacc gatgtaactt tataccttgg ggaagcctaa aaggatcaaa tattatataa 120
aaacctatctt caaagttaac ctttacctaa ataggtaaaa aaaaatcttt acctaatttg 180
gacctacggg gaatttacac ttgaaaccaa atactacacc tgcgaaaatt cccaattcca 240
cacttgaacc gttgaacttt ttcccactat cttgactggc tctagctttt ttcacttagt 300
agaattaccg gctaatectc ctttcattta ctttttttat ttgccttntt ggactgacct 360
acactttctc tcgtccttcc tgttctatct cactttcacg tgccanattg tnttgggtgg 420
gtatntttta gaataattca taatttgatt cttag 455

<210> 13736

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13736

agggaaacggg cgtttttaggc tagtgccatc gaanactgag ancnttcgac nnnccnccgg 60

ngtatctcta anagcccacc tgcaggcatg caaccttgta tataggaatg gtngattggt 120
 gaaactgcct gctttaatgg tggaccacaa aatggtacct gaagatatgt cacgggggtc 180
 aggaaacctt gaggacgtca ggtgggggtgc tatggcccaa aaccaacctt gaccaatccc 240
 gacccaaccc gggcatagtc ggtcaggag accctgtgat gtatctaagc aggcgagctc 300
 cttgcagtca acagataaaa ggaaaacaga ccacaaagca nggatgcttg tgggtggctgg 360
 ccaactgtga attttgtgaa tatgtgagat attgcctctt gtaatcgatt accaagggtg 420
 gggaatcgat tcaaggctta naaatgagac aggaggctaa atggtctctg gaatcgatac 480
 cacgngtgta acga 494

<210> 13737
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 13737

aaaatggttg gcttctggtt ttatgtcaat acatcaaaat cttatgtttt acttgtgtca 60
 tcatgtaatg cttcctctac tatagattcc atcaaacaga aaaaaaacac tagtatatga 120
 gacctatatc atcaccacat aaaccaaatt tttggctgct ggctttggcc cattccccac 180
 atttgatctt ctatgatccc atctacaaat cttctccccg ccccccatga gaatgaatta 240
 a 241

<210> 13738
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13738

gagcggaang anacggcgag atgaggcact ccatgacacg aggatcacan ggagaaaaga 60
 gaccatatga attgctccag agcttccatt tgtcaatatc gagcgtctaa atatataatg 120
 cgccttcac cgcctccga catagaagtt ctgaccatt taaatgctca agagcttcca 180
 ttggtcaatt tcgagcgtca cgatatatta tgcacctgaa tccgacctgc gaggtagaac 240
 atatgacca tttgaattgc ttcattgagca ttcattcggt caataattga gccgcaacga 300

atatatatgc aacctgaatc ggacctgcc a gtgacacctt atgaccaatt tgatttgctc 360
agaacttcca ttgatcaata ttcagccc 388

<210> 13739
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13739

ataanatata gagacgctcg aaattgaaaa tcggaagctc ttgagcaatt caaatgggtca 60
taactttctaa ctcgaaggctc cgattgaggt gcataatata tcgagacgct cgaaattgaa 120
gaatggaagc tcttgagcaa ttcaaattggt tataactttt cactccgagg tccgatacac 180
gtgcataata tatcgagacg ctctaaattg aacaatggaa gctcatgagc aa 232

<210> 13740
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13740

agcttttttcg tatgtgctcc aaacanaagc gggcatgggtg gtttaataag aaacctaggg 60
gaaattactg ttcattgctga agagactggt gttcaaaga gtgcagttga gatgggtcttg 120
cgttgtttctc acttggtataa cagggatgctc ttttctaaaa gtgtacgtat tctatatccc 180
atattaatgt cccctattta attaaatata tttttttttg tttgtcattc gaaacatctc 240
tcatatattg ttttctcgta ngaccctctt ctaagaatat caagaatgggt tgagagtggg 300
cgttatattc ctatatgcaa gactgaagtt atcgacgaca atttaaattc caaatggaat 360
catttgtct 369

<210> 13741
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13741

cggatgcgat gaacggagag cttgctcgta gtgaaatgaa gtttgcttga ttttgatggc 60

ggtttgagac ttgagagtgt acaatggaat taatggcaac ccacttatgg tagtaacttt 120
 ctgcacctca caaattgctt tctgctccaa tgcgtaaaan aggtgaaaga aatcactaat 180
 tttgtgggaa atttagttgg atgaagttga gaaaagaacc aataactatc tttgttttta 240
 ttcataattta ttagttaatt gcaga 265

<210> 13742
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13742

acaaacgttc tcttgctcaa gactttctat taaccganaa aaatgcaccc atatacaatc 60
 aaggcagctt cgttacctag attatttaca cgtacttcca aggtgtatct gttacttaca 120
 tcacacacat ctcttggt aaattcacat acatgcatac tcaaagcatt ttgggggtacc 180
 aaaaattgca catgtgcaca tcttggtatt tctaatacct atacatacac aaacttcatg 240
 atgaatcttg actatctaca caataagggtg ctacatttca tgctcttttc aagtttttgc 300
 tacctaaggc cgcattgcaa ttcaagtata ttttcttcg ctggctaaaa ttgtattcaa 360
 attaaaaagg atacattttt tttggtaatg tatcttcttt acatagcatg ccacatattt 420
 atgtatata 429

<210> 13743
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13743

agtgggaggg gnnnnnagtt tgacgccttt ganccctga tgcaactgta nacctcaggg 60
 cgaatacagc tcggaccggt gatcctctaa gtgcactgca gcatttatct tcccccaact 120
 cgccaggcga gctaggtgct tctttanaaa caccgcctt ctgaggaaat tttctgggaa 180
 ggcccaaatt gggccttggg tgctattatg caaccctat tttttactan atacattccc 240
 ccttgctttt ttttgtgatt cttttccgta tgttacaaac ttacgactt tctaacgatg 300
 catgtttttt tccgtatggt accaaacctt acggactatg tgatcaaccc ctttttggtt 360

ttcgggatgt catggaactt taccgattgc gcacgaacac ttccttttaa tttcaccatg 420
 tcaccgaact tcacagattg tgctacaatg ctttcttttg actttcggca tgtcacgaaa 480
 cttcacgaat tgcctt 496

<210> 13744
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 13744

ctgctggtcg ggtcatggac atttgattat cacatcttgc actatatcat tgtaagaatt 60
 atgatgcctc gttcttctaa tctagctcaa gcctctgagg aggatttgat tctgatgtgg 120
 gatttcttga ccgatcgtca aatcgactgg gccatttga tttgtaccgc atgcataagg 180
 cattgcggtc tagtgcacct ttaccctatc ctcagttaat cactttattt ctgcgtcatt 240
 tcaatgtacc tcttgcttct tagcctttca ttcaagttaa atgacccctc tctattg 297

<210> 13745
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13745

agcttgtatt agtatacttc accttgctgc ggtggcactt aacctggctc taatcctggc 60
 tgcacttgac ccaattgggg ttttccagtc ttaacctctt cctgaaccag ggatttctgc 120
 ttctccaatg attgaaactt ctttggggtc ttcttttctt tccttgagac ctcttgatag 180
 cttgtggctg attctgccgc tcgtaactta agcagcctca tctctttctt cagtgcagca 240
 ttttccacct caaatttccg gacatcaaca ttgggttcgtt ctacctgtgc acttgcttta 300
 gacaggcatt ntccatctca gaaacttctt catagtgttt tcctctagag attgtttttc 360
 tttnttaaga cgttcaactc atctttctct tgtctcaat 399

<210> 13746
 <211> 375
 <212> DNA
 <213> Glycine max

[illegible]

<210>	13747
<211>	287
<212>	DNA
<213>	Glycine max

agcttgtaat	ctnattttat	aggtttccgc	anatcgggtc	aatagctcaa	ggtatgtact	60
ctgtctaata	cagccaactt	atagttgtat	acactagata	agaagtggag	cgttcatatt	120
tcgacatttc	ggcgccctat	tgttatgcag	tcaatcctat	ggattcattc	attactgatg	180
atcgcagaac	tgctgctcta	gccatattat	ctctcaatgg	aaggcatctt	gtagtgtcgc	240
tctttacata	aatgttacat	agattgaatt	ctgattctaa	ttataat		287

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<223>      unsure at all n locations
<400>      13748
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gatgaagact gctcagagta ngtagaaaag ttatcaggat aagagganga aagacttgga 360
attcgagggtg gtgatcatgt attcttgaga gtcactct 398

<210> 13749
<211> 251
<212> DNA
<213> Glycine max

<400> 13749

tatatatggc catatatata tatatatata tatatatata tatgtgcagg gagaaagata 60
ccttgatat gcatgtatgt agcacacaaa atttcacaca atatatatat gtatgttttag 120
gtagcaagat accttgata tgcattgata tagcaaaaat atctcacaaa acatatatac 180
gtatgttttag gtagcaagat atctgtgaca cacatgtata tatcacaata cctcacacaa 240
atatacgatat g 251

<210> 13750
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13750

nnnnnnggcg gagannnaag actgagngct agagannctn gcannancta nggngaacng 60
agcgnggcac ccgaggatcc tctagagtca gaccggcagg tttgtatgct ctatatgnnc 120
actagaacga gagtcaccag tgatcgctct ataattttaga tcaaagacca tatttgtgct 180
aaacaaaata atgcaaagct gtaccttttag aatagtacaa cactcacgtt ttccttgaaa 240
atgcttttaa cacaatcact ttatcattac ggagcatatc actacaagta gtaagagtca 300
ccaagacaag gtaaaaggta tcacaattga tatttgcagt acctgcataa cttcaactaa 360
tggtttcgaa aactttatat attcaataaa tagacaaaga taacttgggc tattatacag 420
atcctataaa cagcctaaga atgtgaggat atattgtatt taattcactg tcacacaaaa 480
naaaagctca ataatttgag cagaacgaca ag 512

<210> 13751
<211> 355
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13751

cacaggcggtt tctatgggtt attcttaaatt taagactctg aagatatttg ttaacgttct 60
tctectcttt attttccctt atatcttttt gcatccgaac aatgcantta atagttttga 120
agatgggtct gcaggcaacc tattagagta aaaaagtgtg ggtgtgaaca ttatgcaagc 180
aaattatgta gttctcaata cgaaattcaa tcaactgtct tagtttcgtg agtagtgtaa 240
gttgtaaaga accgtcaagt gtattggatg gaagtcaagg tacgtattat atgcttgga 300
taanatcatc tctacttan aagaatcatt catcaataac tcttgaacat tttga 355

<210> 13752

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13752

gggataaaag gagtttggat ttacaacatg gtagaaataa agaaaattgc gatgatacta 60
gaagaataca gagaagattt gggtttagga tattcttttt tctcttatt tcaactcata 120
actagctatg ttatgggcct cgntgggtct ggatttcaca taggttattt cctgcaccta 180
caagctactt cctgcatctc ttttttggtt taaaatgac cattctgaaa tgaaaattac 240
attttggaat gattat 256

<210> 13753

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13753

agctnattat tttctctgaa gcaaaaccaa tagcgatanag aagaagaaag ttcggtaaag 60
aaaggagacg agtttgccaa accttacatc ttcacctcta agaagcacac caaagcgata 120
gacatcaaca gtgttgagg agtcacaccg agcagctagg tcgactttga cccgaggaaa 180
gataaagaag atggaaggcc agcaccgatc gaagagttat gtttattcca actcgaaaaa 240
atcctcacca actcaccgaa tagggcagaa acttgacaaa catcttctga aggagatcga 300

ggaagtgttg aaacagaaca ctgattttnt tgcttagaat gtcgctgaca tgctcgacat 360
agaaccaat ttcata 376

<210> 13754
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13754

tggccaatta gagatcaatg tcaatattat tgacaatgta tatcatcaac aatacaatta 60
ttataactcc gcanatgttg atctacaaat aatgtctcac cagtcaccat gttttaccat 120
ttgtcattct gtttataatc tcacatggta cactagtcac gatgtaggga ttatttctcc 180
tgaacacgat cctgcatctc tactttttaca gtttagttac caactcgttt atctctttaa 240
atcaaaatan attgcactaa gtcaaaacac tataaaaaaa ttgcaacatg aaatacagaa 300
atacccgata aactcatgca tattgaagaa catg 334

<210> 13755
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13755

acatgttgag aattacgtca tcttccgcgc tctctttatc tgtcatactg actntngagt 60
ctcgccgacg gccgaatata cccgagtggg tatccgtata aactttatga tgtctataag 120
acgaatagcc tgatagcacg cagagactaa cgctgtcttc tgcgcccttc gtcgatcgcg 180
gacgacaagc ccgttgacac gtggagattt acgttatctt ccgcgctcac acgatctgtc 240
atactgactt atgagtcgcg ctgacgggcg aaaataccc 279

<210> 13756
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13756

attgaacaag	cggaagctct	gcgtgtataa	tcnagtgttt	ttaaattntc	acacagatgt	60
ccgatgcggg	gaaataatat	atcgagacgc	acgaaattga	acaacggaag	ctctcgagaa	120
atttgaatgg	tcataacatt	tcactcggat	gttcgatccg	gggacataat	ttatcgagac	180
gctcgaaatt	gaacaaccga	agctctcgac	acattagaat	ggtcgtaact	nttcacgcga	240
atgttcgatt	ctgggacata	actcatctag	acgctcgaaa	ttgaacaacg	gaagctctcg	300
agaaattcga	atggtcataa	gttttcacac	cgatgttcga	ttcggggaca	taatatatca	360
agacgctcga	aatttgacac	cggaagcttt	cgagaaaatc	gat		403

<210>	13757
<211>	378
<212>	DNA
<213>	Glycine max

catnaaaaggg	ggcaaaacat	atttcaaaga	gtgatcattt	aacaaagaaa	taataaccca	60
actgagtaaa	ttctgcttac	agcggcactt	tcctaccagt	tgagtgacag	gaatgggtcc	120
ttgtaaattt	cattatatat	cacttatcag	atatagccac	tccacaaatg	atccaacata	180
taatacccan	aagcatacag	aacgaacatg	ataaagaaga	gcatgtgtaa	atncatagna	240
gattataggt	agtgcataat	tcttatacta	ttagttacaa	canacttcat	taatgactaa	300
gtactcagaa	ctcttgagaa	aaagaaaaca	aatgttctag	ggacaatcta	atcaatatat	360
gacaatcagc	attaacag					378

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<223>      unsure at all n locations
<400>      13758
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acaataatgc catatgcatt tcaatgtaat taacttcatg accaatctta taaactgaca 300
taggtccata ggtgaaaatt atgcttaatt agctttatctt acttacgtga tgagcctgat 360
atcaggagca ccaaattgaa tgagatgacc attgatgatg agaaatttta tgtacttgtn 420
tgacattaaa gtgtattacc atcatttctc aataactatc gcaagttaa 469

<210> 13759
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13759

taagcttatc accatcggaa gccatggata aaagcttgaa ggtaggagaa aatgagtaga 60
gggagagggg aagaagggaa tgaaatnttg agagagaaaa gagggagaat gaggtctgaa 120
ctttgaagtc taatttctca naaataaaaag ttgcaaaata cacatacaag gtctctatctt 180
atagcataag tgtcatacaa aattagaagg aaatttgaat ttctattcaa atttcacttg 240
aatttgaatn tgaatttatg gagccaaatt tggagccaaa atttcactaa ttatgattag 300
agaatttcat ctatggttca acccactaat ccaagatcaa atccaagatt ctccactaac 360
tgtgcttang tgtcatgagg catgtaaagc atg 393

<210> 13760
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13760

ttaaagcaaa aaccaagggtt aggagttcca atacgatatt taaagattct cttatcaaca 60
attaagtcaa atttctcttg ttnttttctt gaaacctatc acacatgcat acactaaaca 120
tgatattagg tctagacaca atgagatata ggagtaatcc tatcatagct ctatattggg 180
taccttcttt gattcctcat ccattccaag atatgt 216

<210> 13761
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13761

cgcttaacct ggggctagtgc gcctnngana tcganagnna tcgaacnngc cncggggatc 60
 cttagagtcg acctgcggct tgcaagcttt antagtgaac cnggngcgg ccatctcgcg 120
 agagtcctct cacgaggtgg aggtggaccc aggtcctcca tatgaaaata ataatggatg 180
 ctcataatca gaatatccaa agtaccctc aataaaaggc tcaaatgct caaatgcac 240
 agaatgacct ggatgcacac tatctatgac aggttctatc tacttcaaga tcaaaggggt 300
 gtaaacacct gtattgccct agacatgcac tatatgcagc aatagagtgg ttctcaacaa 360
 gccctacaa tggggtaaac tacactatac tcgaacatat caaatgagca aattttgtga 420
 ggacacccta aatcatgata gatagccaca aatttcaaca aaattcn 467

<210> 13762
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13762

cctccgnaat ggccaaacca tganntcgga atagtaaadc cncggnggan ggggagtcaa 60
 gagttttatn tttgggtaaa actagggcat gaaggtcctt atctcttggc taatcaaadc 120
 ttaaagggtga ttcgccatca gacttaatgt agctttctc ttcttcttcc tcatcagacg 180
 aggtttatcc agatcctccc caagtctcat gagtcatttc ttatccttgg acttgattac 240
 ttcttcttgt cctttggatt tttcagatat ggacattcag atctgaagtg tccgatttct 300
 gctctctagc atatgatgaa ctcttctcct taaacacctg taagaagaat tcttcacatc 360
 tttacatctt ctgggatgaa gagagttctc ttctctcat cttactttaa ttcattctag 420
 atgatcttcc tgcttan 437

<210> 13763
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13763

agcttatgga gcttactgta ggacacgaca agtctcaaac gacaatatgg ccttccttaa 60

attccgattt gatttctctg caatgcgagc agcaaaacca ggaggaagtg cagtccttct 120
 ttctaccaat gaattctaaa acttgaacaa tctgccatat agatntccaa agattcaata 180
 gagatcaata ttcaattcag agaatgggta agctaaacat gatcactata tataatatat 240
 aataacgtcc atttgaaatg gtatatatttg gttgttgc ataatatgat aaaccttgga 300
 tgccattggg atacccttt 319

<210> 13764
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13764

ttcttctttc tgccttatca gagctagata aagcatcact tgaatgtgat ctttagtta 60
 ccacaacatc aagaaccttc ttttgacta aagaagcttc atttgaggta tcagcctact 120
 tagatgcagg tttaagttga catgttgga caacctcatc atccttggtt gcattgaact 180
 tactagagaa tgatgctngc ttatcaactt catgcattgc accagagata atgagatcaa 240
 caacgacctt attaattcttg gcgatatc 268

<210> 13765
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13765

agcttattga catccgtgac tngatcttaa gcgaagatgt tcgcaagaga gatntangag 60
 aatcttccaa tcatgtntcc anttcagcat ttgatactga aggcanggga agtactaccc 120
 aaaatgatgc aatcctaccc cgcaagggca ttggctagaa gactccaagt agattgggct 180
 agagatccaa ggaaaggccc taggggttctc atgagcctta nggtagatnt cgagcccatg 240
 ggctaagtat gagcccgtt atctttgtaa tattagatan ggtattcctt cgtctagccc 300
 tgtattttgg ctattctagt agtat 325

<210> 13766
 <211> 323

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13766

agcgcggggtc tgagagacga aagttatgtg gtcgttatat acgaagatga tgnccgagt 60
 acattggatn tggtacgacc atgccctcct gatttccagc tgggaaattg gcgagtggag 120
 gaacgccctg acatttacgc agcgagcata atgtaaacct ttacggtttt aaaagctcta 180
 tagtagggcc taggcttttag agtttttcct tttgttaaag ctgtgtgtct tttgtctttg 240
 aatttataat acaaggacct ttcttcatct gttcctacgt ctctacccat tctcattcat 300
 ttgcatgttt acttcttttt cta 323

<210> 13767
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 13767

cctatatccg atagccgatg ggtgagtccc gtccaggtag tccccaagaa gactggcctc 60
 acagtgatca gacatgagaa tgaggagctg attcctactg cgggtgcagaa cagttggaga 120
 gtctgcattg actataggag gcctgaccag agcaccaaaa atgaccattt tcccctgcca 180
 tccattgacc agatgcttga acgcctggca ggtaaattccc actactattt acatgatggg 240
 ttttctagtt atatgcaa at tactattgct gctgacgac atgaaaagac cacattcacc 300
 tgccccctcg gcactcatgc ttataggagg atgcctctcg gcctgtgcaa tgccctggta 360
 cattccagcg gtgcatgg 378

<210> 13768
 <211> 285
 <212> DNA
 <213> Glycine max
 <400> 13768

atccaatatc atgctcaata tgagctgccc tgacatactc tatatgcatg ggaccatcca 60
 agaaaaccta acgtgtccac aacactttac ttagaaacta gcataagtgt gaggaccctg 120
 tctgcacatg cactcccccg tccccctcag agatacctga tctaaggagt tctaacaatg 180

aatgccctaa acatattctc tatgagaaat acagtcttat gacaagtata ctattctgta 240
 ttgaatataa acatgcacat aaatgcctga tgtgatataa agatc 285

<210> 13769
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13769

agggggacgg gngnnnnngg tttagtccta actganncct tgatncttac ngnananctn 60
 ccggnnattt gnaanggccccc cccggngatc cnttanaggc gacttgcagg cntgctttct 120
 ttactaatng ngaatatgng agagaggaaa tgtgcanacg gtgaaggaag aggaagtaag 180
 gacactacca atcaccaatt taaagggctc cacaagagcc caaaaggtgc gaagataaat 240
 ataaataaac gatatatata tatatatata tatatatata tatatatata tatatatata 300
 tatatatata tatataaaat ttctctaact atgttttttc atatacatca tgccacttat 360
 catatattca ctcccatcta tgctatntct ctcaataggc attggataga atttagtata 420
 caccaaactt tccctatttt tgtataaaaa acacacgggc atattacagt gttttatatt 480
 gtacagttct caagagaaag caac 504

<210> 13770
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13770

atgctcggaa tgtaatatga aatgagatgc cggagaaaca ccctattcta ttaaccatgc 60
 tttagggtccc tgttcaatat tttgttttaa tgaacgggtt atgacccaac acggaggctc 120
 gggggcccta cacatgaaac ttaaaatgta gtgtgaagtt tcacgcttnn cccttttttg 180
 ttttgttttg tcgaggacaa cgcgaggatg nagcaacatg aaaacaaatg gtatgcaatt 240
 ttgcagatca aaaagtttgt tgaacgcata tgcagatga tgccatgact catggcaaat 300
 gtgaggctgg aatatgataa ccgacaaatg caggatatgt ccattatgat gttatgaaga 360
 gatgcctatg ccatgn 376

<210> 13771
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 13771

tgaggtcctt caatggtgat tttcaacccat ggatatgtag tggaaaataa aggagaagag 60
 gtgagaggag ggcgccatcca cttgggaata agccatggaa ggaggagctt caccaccaag 120
 agagtgcctt gataagaagc ttaaagagaa aacttcaatg gaggacaaga atgagagaca 180
 gagagaga 188

<210> 13772
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13772

ttagcttatac tcatgtcaga caccctaata tcagcagttg caaacaatca cagtttactt 60
 ggtgcccaact taaagtggaa ttaaacaagg aatatactta aagtgcataa aaaagttaaa 120
 taatgctcaa aataggcaat cctagcttaa atcttaccct ttccttgatg tcacccaaag 180
 ttggcaagta cagcttatag aattcctctc tgaatgcaac cacaaaccta aataaagttt 240
 agaaaccagc tagaataaga caattagaat ctgtntgatt ttgaataaat ttaagggaca 300
 acangataca tctactatat tatagtatct tcacttttaa aggactaaag acgaattatt 360
 gaccataatt gatataattat catttgtata tcactaact 399

<210> 13773
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13773

aaacaccgcc ctgtgaatca tattgttgca aaaaatcagc aacaactctt gtagcanaaa 60
 tcccgaagaa gtatttattt gtaaaaaaat gaaaaagaac agaagagaaa gagaaagaaa 120
 tcagcaccaa ctcttgtaga acaaatggca gaagataatt taaaaaaaat gagaaagaag 180

agagtagtaa ccttaagttg gcatcgacgg aggagccccc gaagacgatc accgtagaaa 240
tcttgatttt tgatatcgaa aacattcaga tgacaaaaaa t 281

<210> 13774
<211> 235
<212> DNA
<213> Glycine max

<400> 13774

aaacggaaaa attaagagag aaaaattaca aattcctata taatttaacc ctcaaaatat 60
actcctaatt agaagttatc aggggggtgca tcttgatttt gttggaccct aaataagagt 120
ctaggaagct caacaactgg aagccaaatg cgttgtccat aggcttgctg atgctatgca 180
gaggatacgt atctttggga cacactttgt taaggatgat gtagtcagtg caaat 235

<210> 13775
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13775

gtttagaacc aatatagttc attagaccat attaccacag accttataat agtttaccct 60
ttgacaaagg gattatggcc caaaacattt atagaacatg ttaaaagtat gagcattatt 120
ggatttgatg atcattaagt gtaatttatc ttatgccatt tagtgacact ctgagctcat 180
ttatgatatg gttctgagta cttgttctct atgtttgcat gcataatntgt attagaataa 240
tgттаатagg ttttgattg aataaagaca ttatactgac caattatgta ctctaacta 300
atgggcata 309

<210> 13776
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13776

gaaattattg aaaaaatttg gttccgtgaa gaaaatccaa gccgaggcac ttccgtaacg 60
tttccgtaac gtttccgtgg gtgatttcgc gaaagttnt gaccgttctt cgacgttctt 120

cattcggttct tcatcgntct tcggtcttca actggttaagt tccctagatc gaacttttca 180
 attcattcta tgcaccctta gtggctctca ttgtntttac gtgctctcat ttacatttca 240
 tttattttcc gtacccctt ttgacgtgct taagccattt atttaaagtc atttctcgct 300
 taatcta 307

<210> 13777
 <211> 193
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13777

actcctcttt cagaaccatg ctatgtgctc gtgactggtc cctctcttcc cttcgagct 60
 tgagttcact attgctacc catagagctc cgcgaaatat attccggcca tactcttct 120
 tgcgagcnct cttggtctct tgttcaacgg ctcttgcggt aattgcattc tctttccggt 180
 acccggcaca ctc 193

<210> 13778
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13778

caaatccctt gggataaagg tagtggtgcc atgttttcaa agcccgtact aaagcataca 60
 actccttatc ataagttgaa tagttaaagg taggaccact taacttttca ctaaaataag 120
 caattggatg gccttcttgc atcaacacag cccaatccc aacatttgaa gcattcacact 180
 caatttcaaa agatttttga aagtttggca acgcaagtat gggggcatta gttagctntt 240
 gcttaagaac attgaaagct tcttcttgtt tctctcccca ttgaaacca acatttttct 300
 tgagcacttc attgagaggt gctgccaatg tgctaaaatc cgtctataaa aacttgc 357

<210> 13779
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 13779

<400> 13782

acacgctcgt tganactttt gtatangcga aacacagaan acnacncng cgcgccagtc 60
ngacgggagg acaggtgaag gaganncttt ttttatctgc accggcnnga cacaagcggg 120
ctaataatca tagaaccgat cagaatctgg aaaaccctgc ttcttcacga gtcaatgaaa 180
attgctttat attttaattc tgcgtttata aaacgaagga tcaacctaca ctattgagtt 240
gtgtatttct gaaacattct ttttctagtt tagtcatgag atagtcctta aaacatctca 300
tatcttatat aattatcact ctattaccog cgtggccagg attcacctc tgaaccata 360
ccataacctg gttcaatgac cttttgagtg tttaaaacat tgggtgagta ctctggttg 420
ccttctcat aatgaattgg gtaatgttgt ggcgttgctt atgagttaca aaccacaatt 480
taaccattca ggcttttact cttggttgtc caatccg 517

<210> 13783

<211> 390

<212> DNA

<213> Glycine max

<400> 13783

agcttttcatt ataataaact aagcaataaa ctacttcata ttttccctgt gtgtgtggtt 60
gtcgtgcaat cccttctaca acttgccatg caacattgcc ttgatcaaac ccaagagcaa 120
gccctatggc caatctatca ataataacag aagcaacaaa aataattaga ttcatgataa 180
ttttcttgta acctaaatat gaaataaaga aataattaat gatataattg atcgggtaat 240
catgacttaa ttttttaatt atcaagattt atcttattaa agtaattaat aagagttcca 300
aattgaaaat aatagtagtt attgaatact accaatgagg attccaacat gcttgaactt 360
atgaaattgt attattgaga cacacactct 390

<210> 13784

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13784

acataatact cagtagtcct tgctacaagg gaaaccttcg aaaaagaaac canactgnct 60
tacatattcg ataaaaaac agaccaaata tttttttcag gggaaagacc acaaaccagg 120

attggagtta gctgcccctc taggtcaaga agacctttgg caaaagcagc tgcagacatc 180
 tgtttaatat gggcatgaa aaaatggctc acatatgatg ccaaaggaca aattaggctt 240
 ataaacaatg cctagacatc aaacacttcc aaaatgtata aaaatgtagc aaccaataat 300
 gaaaaccact tagccttctt atgattaagg tgagcacaac tttaggccat acctgcacac 360
 gaccctcatc agagctgtaa atcttgagat catgacggta tgtactatgg aggcgaagaa 420
 gccctgtacc ttcttcttgc atttaaacca cacaaaaatt tgcctttata catactac 478

<210> 13785
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13785

agctntttta atcagaataa tccaaaaatg tcaaagaatt gtgtgttgaa aaagcataac 60
 aagactttct gtgattgggt taaagataca atctttgcag atgagaatgc ttcaaaaaca 120
 ttaagaaagc tagcagatgg gcctaaaaga aatgttataa cttggcaagg atacgacata 180
 aacaaatatt cattntacac aaaagcataa gatgacaaaa gtacaatgca gaatatccgg 240
 gtcaccctaa gggctgaatc ttaacacttt gcaagtgtga atgacgccca ttcctatggt 300
 gcttccattc cttactttgg gttcatcgaa gaaactttgg agctcaacta tgtgaaattt 360
 a 361

<210> 13786
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13786

ngagacatat agattgaatc ctagtgagct ctaggactta gnttaatatc tgtcaactgg 60
 tcatgagaat tgatgaaccc agtgataatc tccttggaca ataatttctc tcgaatgaaa 120
 tgataatcaa tctctatgtg tttagtcttt tcatgaaaga ctggatatga ggcaatgtga 180
 agagctgcct gattatcaca gtataacttc atttgcacca cttcacaaaa ttccaactct 240
 tggagaaatt gttaaatcca cataagttca catgtaacca tagccataga tcgatattca 300

gcctctgcac tagatcgagc aacaacagt

329

<210> 13787
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13787

gagagaatga tgacttagta ctaccggcga antcagctcg ggcccgggag actctataga 60
cgacctgcgc gcgtagcgcg gctatgtgag gtctcatcag agacgcgggc ctctgtcggc 120
acgtgatacg taccatag tcctacaagc ttgagattag gagatgtgga ccggagaaac 180
gctctgcatt tgtcgatcac cacgaagtgg cacctaaaga catgtcacat gaggcaagaa 240
ggcttgtgga gcggtgagg ggcgtactg ccacaaacgg tcttgtacga tcccgacgca 300
accctgcat taccagaaac tgataacgag tgtttgatat atccagttag catcctgcga 360
ggcgcgggac cctaggaac atgacgacaa cccccgcag cttgttgtgg ctgggcaact 420
tgtattcttt ggaacaacac gactgtcgcg cttaagaaaa 460

<210> 13788
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13788

agcgattatt atactttgta nancngccga ccaagaaact cagccgtggc ggcataaaag 60
cggggtccaa ggagccccac atttttgtc cacngncacn ccacnccgcg gaacttgaga 120
agccaaccga aatataatcc aatgagcta aaacatttat gcaccgtcaa ctaaaactat 180
ataacaaatc accttgctaa tataatgcac agtcaaaac actaaccgca attctttatt 240
aactcacccc catgatatat acataattat aagagaatat gactcctcgt taatagagca 300
tctctttatc actccttaca catgacgcaa ccgcgttgtg actatactag tcagaagtca 360
aagcgacacc gaatgatgat gacgatctat attgacgac aaatcattcg ctcttcact 420
ctctcaaagg ccggagtcta ccaagggtcc aactaaaaca ctcatgacat ttgatcctgg 480
caccaatact caggccgtac g 501

<210> 13789
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 13789

ggtggatgaa aaacaaggag agaatcttcg tgatggatac ggacaaatat ctgtctgaaa 60
 tttctgggct gaggacgag agagaatact tctttttggt tttaaataaa gggctctctc 120
 tttttctatt attttatata agctatgccca catgtcccca tttgaatgga actataaggg 180
 cccactttct ctttgattgt gacccattct catccgcaa aattga 226

<210> 13790
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 13790

tgccgctccc gaggacgata gccggcggtt taagagcgct gagcaccagc agcatttcag 60
 agccatcaag ggatggctct tccaccgaga gagacgcgtc cagctcaagg acgacgagta 120
 cacagattct cgagttttac gccaatgctt ggcctacaga ggagggcgta cgggacctcc 180
 agtcatgggt aaggggccag tggattcctt ttgatgcaga cgccctcagt gtgacatcct 240
 tgaaatttct acctgagatt tttggagacg atgtatttgg aattattata tataatatct 300
 gtaaggatta ttcagc 316

<210> 13791
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 13791

atgcagcagc ttttttctat gggggagcgc ctctagttca acaccgctc agcctaagca 60
 ctccccacag gaagctccca agttccaact ccgaacgcga ctctaccggc cggtaatctc 120
 aacacgacaa ggaatttccc ttcgaggccg ttgccggaat tcaccccgct cccaatgaca 180
 tacgaagatc ttctaccatc cctcatc 207

<210> 13792
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 13792

cctggagtaa tgggttattc aatcgaattt acctgtactc gtcctccttg ggattcttgg 60
 ctacatttcc aacatacact aaaattgtct gaaaggccct tctgactctg gcacccctcac 120
 cctatacaga cattttaact tgatctgatg aacatttgac ggataaacga agacccaacg 180
 attgtaatta tcattcttat cagaaaagta acgtcacaat tctattacca ctggacagga 240
 aaataatata cgtgagctct tataactt 267

<210> 13793
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 13793

agcttggtgt gcaccatcgc ccgaccgcca cctagtagca catgtgatgg gtaccccata 60
 atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttcctgctt ttattgttga 120
 ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg acgtcaggtg 180
 ggggtgctatt gcccaaaacc aagcttgacc aatcccgacc caacaccggc atagtcggtc 240
 agtgagaacc tgtgatgtac cttagcaagc gagctcctgg cagtcaac 288

<210> 13794
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13794

tctntgagan aacttccttg agaagctaga gcttatctac tcacaccctt ctcataacta 60
 agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
 acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
 cacccttat aatagctaag ctcaccccca tgacaaanaa catgaaaata ataaaaaaaa 240
 agtccttatt acaaagacaa ctcanaatgc cccgaaatac aaggctaaaa ccctatacta 300

ctagaatggc caaaatacaa ggcctagacg aagganaaac ctattctaatt atttacaag 360
 ataagcgggc tcatacttag cccatgggct cgagatctac cctaaggctc atgagaaccc 420
 tanggcctnt ccttggatct ctagcccaat ctact 455

<210> 13795
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 13795

tatctaacgc ttttaaccta tgacttggtg caaacctcct tgcccgggtt gaatttggtc 60
 ccatgccttg ctaaagtgga gacaacaagc tgggtgcaaa tcaaaacttc cgatatctca 120
 tggatggatg catgaaggaa tgcatataac acagatgcaa tctaagaatg cgggggtccg 180
 ggggaattcgt ccccttctta gacacaacgt ctaggggtag caaagtgcc caacg 235

<210> 13796
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13796

cggttcccaa aaatctagt cttcaaaatg ggtagtcac cttgcagccc ataggtcgta 60
 ctctcacca tcaaaaactg gtggtggtat tatgtgtgtn gtgtctgctt ccattatggt 120
 ttctctcaac tcacagatcc ctcaagatga tgactctgat accaatttgt tgaatattag 180
 atcaaaaaca gagaagagca catatatnta tgaaggatac atagttgtta ttcatttgct 240
 cttgggttaga gttaaata caaaacnaaa aatccctagg catgactaaa acagtttcta 300
 gtctgataaa aaacaatatc agaactccta caaa 334

<210> 13797
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 13797

ctccttcttc catggctaatt tccctagtgg atggtacctc cctcttctc ttctccttg 60
 ccttccgttg catctccatg gtgaaaaatc accgttgaag gacctcattg aaactcaaag 120

atccatcctc catagaagct ccacaagcaa gcttccatca agtggtatca gagcacaaga 180
gcttcaagta ggtgctcctt aaacctccat taaatttttg ctttaccttc tctttcattg 240
gtgtttcttc atttttctcc atgtatctcc tcacatgtct tgtgctaaat gtttttaaca 300
tgattc 306

<210> 13798
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13798

ttaattnctt gcatggctta acatgaaata tcaaataat tgattggcgt aataaagtta 60
atttattgta tagcttaaca tgacttctta tgctagattt gtgtgtatta tttggaatta 120
ttgtatttcc tttatgtttt tgtgtcaagg ttaatttctt caattgtctc atttttatta 180
atcagagtcg tttccccctc tttaggtgca cactacaatg ggaagccaaa tatctattct 240
tatgagggag caactgtaaa cgatctaaac tgtaagtact aactactaat cctttntggt 300
gtagtgattn tgatactaga atgggcttaa cttgttaaag tgactctagc atgtaagatg 360
aataaanaaa tagaaattgc taggtgacat tc 392

<210> 13799
<211> 317
<212> DNA
<213> Glycine max

<400> 13799

agtgtacac agctgggaat gacagaaagc tcgccgttca acattctctc tctaactccg 60
attccgatcc ccactctatc ttcgatgacg agctcaaact cgtgcgtatt cactctcgtc 120
ggttaattta attcaatgta atttggaata taaataatga cttgattgcg gttttctatg 180
aatggaatga atcactatgc ttggtgatat atttaagtgg agaatgcgtc gaggaagaaa 240
ttcaagtctt acagggcggtg gcatcataga aaatgggtgc tcaacaaggg gcgttcgtcc 300
atagacaacg aaatgcg 317

<210> 13800

<211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13800

tctataagca cggaaaagag gctagaacca ccctgttata acataataga gctaattggaa 60
 aaagaaatat ccttgacaat tgttgcattht ctcttgaact tctaaattgt cgtatgataa 120
 attgattcac tctggattac agaagtttat aggctcggct ttcaaacttc taatctttcc 180
 tctcatcaca ttgatatacat ctttacagac ctgagtgtgt gtaaactgtnt tttagatgga 240
 tattntatgg gctgaatgac agtgaagtat gaatctttta ctgtatgtgc tatactgctt 300
 ttaaagcatg gttttgaatt atgggtggaga tatatttcat tgaatcacat ctgactacgt 360
 acctcattga atcaactaga tgtgtctaca ctgaaatcct catacctttt caa 413

<210> 13801
 <211> 613
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13801

ngggcttata tggggnaaag gtttcanagn nnactnntgc tganagcnca tannnanaac 60
 ataccagcan gctgggcant ngcgtcgtc atggtcagac cttctatgat agagtcgcng 120
 acgngtactn cagtagcnnt cgacatntcg gccccgtatt agtcgaggtc ggtngtgnac 180
 canatntcac atggagcccc gtctgttctt acanaccgt cgtagacctg gnnngaaaac 240
 ctctggcgat tacgccaacc ttaactcgcg cttagcagtc acgatcccc ttttcgccaa 300
 gctgagcgta agtagcgata gaggggcccc caccgagtcg cccttcccaa cagttgcgca 360
 gcctgaatgg cgaatggcgc ctgatgcggt attttctcct tacgcatctg tgcggtattt 420
 cacaccgcat atggtgcact ctcaatataa tctgtcttga tgccgcatan gtaagccagc 480
 cccgacaccc agccacaccc gctgacgcga acctcttgtg gcggaacaaa tatatactta 540
 gtaaataaga cggatcgga cgtctatacg taggggtcccc gcctcccgtc tgctatgcac 600
 ggtgagaaaa ccg 613

<210> 13802

<211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13802

agctntatct ttacactaag taagttgcc aactcaattgc gtgcaagtca acctttacct 60
 tcatctgttt tgcaggttac aggctgcaca ctttgtggtg gagctcatgg gtcagcttgt 120
 gtattccac tgacgaaaca tttcatgaag ttaattacat gggaaaccag cctagacaaa 180
 attttaatgc acgtggattt tctggatttc aacatggcca atcttaccag caatagaatc 240
 aatggagaac tcacctggt aatcaattca ataaagacca cgggtgggtac ctgacatgcc 300
 acagcaacaa tggcctaact tatctgagag aacaacaaaa c 341

<210> 13803
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13803

gacactataa tactcaagct taaattgaat taaacgttaa taaatgctgg aatcttattc 60
 tcatatatgt gtaatcgatt acacagtgc aattttgaat tcaaatttta atagctgttg 120
 caaatcagtt ttggccactg gtaatcaatt acatcctctg gtaatcgatt accagagatt 180
 aaattttcttg taaaagactt tttaacttaa atttcttggc caaacctttt gctacttcaa 240
 ttggaattcc cttcctattt aatataccct ttctaagact ctaaagactg tcttgatcat 300
 tcatcttgaa taaagctttg agacgcatgt gatcctttgg catcatcaaa acatcagctt 360
 gatcctttgt ctacacatgt gatcctttgg catcatcaaa acatcagctt gatcctttgt 420
 ctacaatctc ccnctttntg atgatgacaa tcttganatc aagacaagct atatgcaaga 480
 tga 483

<210> 13804
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 13804

agctttat ttttaatat gaacttat cctaattgtca cattctatca gagggttg 60
 ttctgtgtc ctctagcatg aggttggtca tagtcatcca cctattcatc tgctcccccg 120
 aacacatagt tcaagatcat cacaggatcc aaacacaaac aacacgcaag gagggtgta 180
 tcacattcct aacctatgaa gagaaacaag ataacatgta cgtgtaaata tcatataaaa 240
 agatacaact tacttttagca tcaactcacgt tatttcacca ctttggtcgca taatattacc 300
 ctgcacacc acacatttca tttattttca caacat 336

<210> 13805
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 13805

gacacataat actcagctta tataaccttt accatgatag agataactgg tggattgttg 60
 catcaattgt agtgggtctc tgcctattat ggggtggcat agaggatgta agctttcata 120
 gcaaagggac cacactcaat cttgcaactc ttctgttggtc tgggtgtctt tatgggtact 180
 gctactttgg acatgctgtg ttcccaaaca tttatacatc catgacaaat ccaaaccaat 240
 ttccctggaa tcctcttagc atggtaaag acttttagct ataactaac tcagcttcca 300
 ctagtccact cactaaatat taaatctcct caagtctgt acaaattgca atttacaat 360
 atagtcaaaa gatataatta ttgggttac gtcaac 396

<210> 13806
 <211> 211
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13806

gctgtgcttg tcaaataatn gngaaagaca agtgaaagac ccgataaata cctacaaaat 60
 agttcacggg aaggtctcac aactattctc ctcttgcat gaagtataca agtagaaatc 120
 cttataaag aggtgtacat catagagata ttccaagtct aacatccacc aactttgaaa 180
 caaaactcaa gtgagatgaa aaaatattat g 211

<210> 13807
 <211> 325

<212> DNA
<213> Glycine max

<400> 13807

tgccagtcac tgaggaggcg tgtggaaatc aaatgactga actacacgag tccaagttaa 60
aggaggcaaa tggactagaa catttgatgg taaagcctta aaggcttttag atggagtgtg 120
ctcatagtca aaatgcgttc agatggatgc ttcaatagat atggtttcct ttaccactcg 180
ttcagtgaat aagacttttag agaacggaga aagcgggtga tgattaccga ggatgaagga 240
cagagggaaa cactatgcat ccatcaatgg gtcccttgta gttttccttc tgaacctatc 300
aagggtttat aaacatggag gtgga 325

<210> 13808
<211> 331
<212> DNA
<213> Glycine max

<400> 13808

aataatattt ttattcctaa atactagaaa catagactct ttcaaataata ttaattagac 60
atztatagaa gaaacaaata gatgcatttt ttaaaatgat tttccataat tataaatgta 120
catttacaca ttacagatat cttattatta tctttaattc ctgtgtagcg cactttgtac 180
tatcacatta tattacctat tatacataca cttctctttc ttttttctgt ttgggacct 240
aagtgtgaac taagatgaca tgtagtattt ttcagtattt ctgtcataat tgtaagtgga 300
ccgaattttt ctacatggat ttaaatacac t 331

<210> 13809
<211> 290
<212> DNA
<213> Glycine max

<400> 13809

cacgaagata agtgcgatgt atatattttt ttaattctta atatatctat tacttactac 60
cagtattttt tttttctaag aaaaaaaaaa cttaagatat ccacaggcca tgtacatcgt 120
gtcacaaatag gatgcttcat gggtatcatt caatttcac taattatatt gggtgagatt 180
ataagtattc ggattaattt ccacacaacc gaattaagat tcgattataa ttaagttggg 240
aacgagtctt atgtctaata ttgtacctaa tctaattcgt atcatataat 290

<210> 13810
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13810

gctttatata agccnactcc ctttccaaat ctgattcagg cttaaataagg tggctttttg 60
 ttctgtctcg tacacttagc gcaattctga accgcttagt gcgcattaat gaatnttggc 120
 tttagcgcgga ttttgttgct catcggatgg actgaagtgg tgcacttaac tggaagaccc 180
 ttctgtcaat gaacatggac aaatcatgct tcttccagat tcttactaaa acttagccga 240
 cgaaacatgc gctcaacgga 260

<210> 13811
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13811

tcattgatgat gaatcaagat tgatgcaagt ggtnttgatt angattacna agatgatgac 60
 aaaaagcccg agagaatgag ttcaagattg agtcacgaac acttcaagaa tcaagagaaa 120
 tttgatttca agtttgaaga atcaagaatc aagaataatc aagttgaaga ttcaagaatc 180
 aagaaaagac tcgataaaga tgactactaa aaagtttttc aaaacattga gtagcacatg 240
 attttttcac acaatctttt accaaagact ttgtactctc tggtaatcga ttaccagagt 300
 att 303

<210> 13812
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13812

agcttgcntt tactatcgta agtcatntc aactaactat tagaattata tttcaatatt 60
 ttgtgaatgg catatacaac tgtgtgtttt ctgtgcagga ttcctttgag gagaaagcga 120

cacagggatc ctttgtcccc catggacgtc aggatgttct caccgctggt attggatgtc 180
 cagagcacc tgtacatgtn cgtgctgctg gagccagtgt caccatcaag caatactctg 240
 gatctgctcc acggatgtcc cgcagctctt cctc 274

<210> 13813
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13813

ntagttatga ttaagacctc aatcgacaat tagtcgcana ttctacccaa tgggttgaag 60
 tttgtggaga tactataggg ggcacaaat gtcttaatta tggtgattac caatttaagg 120
 gggaaaaaaaa tctaataaca atataatgcc aaaagaaaaa atataaaaaa aataaaaaat 180
 aacaaagaan agaaagtaaa aaaaaaaaaag aaaggaaaag ataaaaagga aaaaataata 240
 aataaatggt aaaagaaaaa ataagtataa aagtataaaa aaacatgtat ttataataga 300
 aaacatatga gctattagat tagttgcaca tatttgtttt aatggtgaaa gtatatTTTT 360
 aaaattgaaa gtgggatata tnttttaaaa ttgaaagtaa aatgcctttt tag 413

<210> 13814
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13814

ctgggtccgca actagttgct ctaactaagt tcatttgcac tatggggcaaa aaacttattt 60
 agttaaagat gtatcattaa ttaaccataa agatatgaaa tagaagcgtt gtaattaata 120
 atgaattntg caatataatt gaagatgaat attgaaaaag atgacacat gtatgcatgg 180
 acggattcaa ggggatcgag cgtatacaca gaccagtaaa aaaaaaaggc gtatacacac 240
 acgtatactt tttattttgt ttacatagac cccatatac tatgttacta ccacgtagta 300
 atattggtgt attataatat aacaatcata t 331

<210> 13815
 <211> 343
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13815

ttatcaaacc actgctgttt cacactttca cccccaaaaa tatttgagta ctttggcatg 60
agtcaacatg catctgacct tctctgtagc ttgaggccgg gcgtgaatat catgcatttg 120
agtaagagtt ttcgtatacc agtttataac tatcagcatt ttacttngaa aaattgttta 180
ttattggaat caaatgatac gtattacgat cttctgtttt tctgttatat aaagataatt 240
caatntgaaa ttgctttgaa gcatctatct ataaattcta aaatgtggac tgatatagtg 300
tcatttcaac attcttattc agccacatta acacttatta ttt 343

<210> 13816

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13816

ctagagcggg tcccttatgt tatcaaacad aaaaagggat aaggtaatat tgtagccgat 60
gctctttctc ggcgatcatg attactttct atgcttgaaa canaattgat tgggcttgaa 120
tgtttgaaaa gcatgtatga aaatgatgaa acttttggag aaatttttta aaatagttaa 180
aaatattcag aaaatgggtg ctttatacat gaaggctttc ttttcaaaga aaacaaattg 240
tgtgtgcgta aagtctacta caaatttggt gtttgtgaac acatgaagaa gttaaagggg 300
cattttgggt ccaaagactc taaaacatta aaaacatttt atggct 346

<210> 13817

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13817

atattatgca cccgaatcgg ataccttgt gaagagttat gactatatga atnttccgag 60
agtttccgat gtttaatttc gagcgatcg atatattata agctcgaatc ggacatccgt 120
gtgaaaatnt atgaccattt gaatttctca agagcttccg ttgtcaatat ccagcttctc 180
gatatgtgat ttgctgaat cggacatccg tgtgaaatgt ttacc 225

<210> 13818
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13818

taattaacaa gtgggtggat aatggccacc catacccttt ttagtagtat ttttgcgtaa 60
 ttattgtata tctgctatac ttttaaant tgtttgtgct aatttgttga ataaattatt 120
 ttttagacta gaagtatagt ctttatactt gttgtatttg atctttgctt ggttatgtgt 180
 tattttgaag gaagtacttt ggagagatga tttgatgcgc tatcattgga gcctgangaa 240
 tttgaaatct ccgaagcact agctcgctta atgactaaaa ttttaaacct ggaccttata 300
 tttgtgctcg cttaacgagc aaccctgaga gtctggttgt t 341

<210> 13819
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 13819

ctctcagcca ctaatgatag ccgccgatga tcccattact gcttccccta agctctttgt 60
 ccttcttttg taccaccccc catgccttgc ggaccttctg aagtgtctcc acgttgggtct 120
 tattgaagcc ttatgaaatg acaggcgcca gcccatcctc tagtggcgcc cctctcatag 180
 ggtagccaag ttgtcttatt gcaagaatgg gattgtagct gatgcaacc ctcgtcacca 240
 tcaagggaa atttggaaat cctccgcattg aaataagaac tccgattctt ccttccttcc 300
 atcgagggaa ccagttgaca gatgctcctt c 331

<210> 13820
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13820

aaaaaagaaa tgaaaaaaag gaaaataaga gaaagaacaa aaatcaaaca aaaaaaaaaa 60
 agggggtgac ctgaaaccca naanananng ggganaaaaa naaggagaag anatttttga 120

aaaaaaaaa ggggggggga aagaaaaagg aaanaaagaa aaagaaaaaa gaaaaggaag 180
 aaaaaaaaaa aaaaggaaaa aaaaagaggg aaaagaaaaa agagagaaaa agaaagaaaa 240
 aaaaaagaga aaaagaaaag ggaaaaaaaaa gagaggaaaa aaagaaaaag aagaaaaaag 300
 agaagaaaag agaaaagaaa aaggaggaag aagaggaaag aagaaagaga aaaaagaaga 360
 gaaaaaaaaa 369

<210> 13821
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13821

caggcccgga ggaattatg atgcttactg acggtcccca taattccgaa gagtttgaag 60
 gaaataaatg aaataatggg ggagacgtta tcagcacaag acgaggagga gattctagca 120
 caatctgatg acttggaat ccacgnacat ggattgccat gtttttctca attttcgatc 180
 tgttctactc accccaatat aaaaatcata ttgaaactgt tccaattgac ctgttgccata 240
 atcatagtat actatggaaa ggacattcat tattcctcaa tttaaccctt ctttacatac 300
 tgttcctctg 310

<210> 13822
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 13822

agcttgtaat tattgaatca tcaaccatgc tcgtcccagc agactacgca ttctttgtag 60
 ggcccatttc atttctgggc ccatactgta aaccagcat cgttttccag gtaacatata 120
 aaacccaaag agagaaagta gcaggaataa acagagagag aaagagagaa aataacagga 180
 aaaaaatgaa aagaaactaa ataacatgat agcccacaag tgtgttcata agccaaatgt 240
 gatttgcat caaaaaataa cgtaacctt ttgtcattca agtaagacag aacacatgtc 300
 tgtcatttcc catgaatcat ttacatttag ttaaatttta aatatcaata aaatatttaa 360
 gaaatattat agtttattta ataaata 387

<210> 13823
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13823

ctcagctaga tgtcatgctt ggagtgagta gcacctgcct cnatactctt aaaccttcac 60
 cacaaccctg tgctccaaca cctccaccta ctcaaactcc accaccaccg cataaaaaaa 120
 ttcaaaaaag aagaggaagt atttcaaaca atggatcaac ataaatagga gacaggaagg 180
 gaaaaccaag taaccaactt atgcctaaag aaaaacctta gtgagactat caccatgggc 240
 ctgatagggg ataagatatc tcaaagggg gggggggggg g 281

<210> 13824
 <211> 207
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13824

agcttgtagt angtctagac atganacatg ncagaggggg gtttggttca aggataaaaa 60
 tggatgcccc acattatttc catgacacac atgctaaaat gatgatttgg aaatnttatg 120
 caaaactggt catgcatgca cctatgtgga cactcaagcg tcatatattt atggcatgt 180
 gatgctaggg ctcaagattc atttcct 207

<210> 13825
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 13825

gacacataat actcagcttc cttgagaagc ttcttgagaa gcgtgacttg aaagttttta 60
 tcttactaca cacacccttc taataactaa gctcacctcc ttgagaagct tccttgagaa 120
 tattcctaga gaagctagag cttagctaca cccccctat aatagctgat cgaggccgta 180
 tctgaatcaa ataaacatta aaaaaatgta gtatctagga agtgatccta agtcgtctcc 240
 caacgagcaa tggatcaacca aagttcataa tagatagtga taaaacagta acgaattggg 300

gggggtgtct gttttgtgta attatacagc gagcaaatgt taattagaaa ataacataat 360
ctaaaca 367

<210> 13826
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13826

agcatttctt gtttctattn catgaccagc gcgagctgga tgcttgctg tgcgagctta 60
tgtctaataa aatccaaaaa aagacccttt tgccccctta cttggtatct ttttgtattc 120
ctgatcaaga cactaagnga ttccttgctt tgtaccggaa ttcgggtaca acatcgtaat 180
ttgactagcg agaatacaaaa tatcaatgaa tg 212

<210> 13827
<211> 303
<212> DNA
<213> Glycine max

<400> 13827

gtcctgctcc aatgaataaa tctttataag taaaacatgt atgtttattc taactcaccc 60
catcttggag cttgtcctct acagcagtgg caccaagaag aattagggtc ttctcaatct 120
tatctgatac ttctcaatc attatatcct gatcagcact gactacattc ttggccctag 180
agaatatact atcaaactcc ttgtattctt ctgcatcaaa ttcacgataa gccagtataa 240
agggtctcag acccgcatca ccatactcat gcacatgccc catgggtttc tcttccaact 300
ccc 303

<210> 13828
<211> 170
<212> DNA
<213> Glycine max

<400> 13828

agcttttttt tatattatgc acatgaatcg gacctgagc tgacaagata tggccatttg 60
aatttttcga gagcttccgc tgctcaataa cgagcgtctc gatatactat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatatctc gagagcttcc 170

<210> 13829
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13829

ggcgatcaga atngccatgc cttggattat agggttgaac caagctcatg cttttacaaa 60
 aaggttcatc aagtcaagtt gaaatatgga agtaaccgtc ttgcanaatt ggggcaaaag 120
 atgaatcgag tcacatcact gcttcatcta ctgccaaaca tatttaggat tgttgatgtc 180
 cttgttactt tcagtttcac ttgacaaaag atgtcatgga ccatgttgaa aatctaaact 240
 g 241

<210> 13830
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 13830

agcttttatct acatgggcta tacgaaacat tggataaatg ttgcaaaaat atattaataa 60
 tatgtattca taattttgca atattttattc taatgctggt aaaagttttt aataacactt 120
 aataatttat attaagtgtt agattaaaaa aaattactaa agatcacatg tattataatg 180
 accacaacta gcatacgtgg aaactacgga gaacaaagaa aatgttgc 228

<210> 13831
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13831

tgcatttgag aagacacaac aagcactagg tgaacatggt cctatcctac aactaggagt 60
 ngcttcttta ccttgacttg tggaagatat ttgtttctca tatataggat ttaacaacct 120
 tcttgctctg catttcatta gttgtagcaa tgggtgcttat tgtttgaaag ttaactatca 180
 ccttgaggac aaggtgcttt tagatggcat aggggatgat aggaaaggaa ccatggccca 240
 ataagatact actgtggaca ttaataaaaag gcccanaaag aagatcactc caccaaagca 300

tctagaatat tatgtgtg

318

<210> 13832
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13832

agcttcttan tgcgaagtta atttttaaga cttacggatt aagttgatct gtaagtcttt 60
tacggatcaa cttgatccac aagcttctta cgaataaagt tgatccgtaa agagagaaaag 120
aagaaagagg taatgttgcc atttttaaaag aagactgggt gcacctagct aactccaca 180
taataatgca gcaaccagca atacaacagt gcactctgac tcactataag tgatgcactc 240
actgcactcc tcgctggctc attgcgtatt aaccagaagc atcaatggtc accaccgagc 300
cggagcaccg gccgcatga 319

<210> 13833
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13833

tgcaactttn tgttgctaaa atagcttcct aatggtaggg tggtagaggt tacttgctaa 60
accaaagcaa ggtatgttat tgcttgaata gcccttgtaa cacaattatg tcatgtatcc 120
aattgctatg gctgatcaag gagatcttta tgaaagggat ggaattgttt tggataggag 180
caaaagggat aaaagcagag tttcaaacc attaatgaaa tgggcactac taactacaac 240
ttctgaggaa taaatgca 258

<210> 13834
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13834

tccttccatt ccaaggtgga tggaggggtc tggtggaact aaatggctct aatcaatcac 60

ctataattca ttaatctaga ttgaaactt aacatgtaac ttgtaattgt aagagctata 120
tctccaaagt agtttcacac ccgatgtggc gatgtcctta tctcaagaag acacatgtcc 180
ttatctcaag aagacacatc attctatatt ggaatttcat aatttctatt taaatttctg 240
ctttaactgc ataactctaa tntatcatca ctacttttca attttctcta tttctctaca 300
tatnntactt ggtaatatc a 321

<210> 13835
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13835

caaggagntt taccattgca tttttatggc ttattatnt aatgacatct tanattagtt 60
ttaaatttaa aattagacaa aaatatatgt gcaactatat tgttataaat tagtagtcat 120
ttttagtggg caaggatgag aatgagctga acatatgagc acaaatttaa ccctttctaa 180
aaatggcagt tgtccacttg tgtttgggta aaatgtaatt taatcaattn tgtcattcag 240
catcatctta tctaagagaa atataatgat agaaaaaaaa tcttatctca tagaaagaaa 300
atattagaaa aaatacatct cactcttaga ctctctatca atctaattga gctccatgta 360
gagctttagt gccttggatc t 381

<210> 13836
<211> 333
<212> DNA
<213> Glycine max

<400> 13836

ctataaatag ggggagaagt gaagaagaaa aggggttcagc ctctaaggca cttctctctt 60
tctcgaaatt gctgaggaaa attattttcg tgaagaaaat ccaagccgag gcgcttccgt 120
aacgtttctg taacgtttcc atgagtaatt acgcgaagat tctcgaccgt tcttcaagat 180
tcatcggtcg ttctgcgttt tcttcagtct tcaacgggta agtacctcaa accaagcttt 240
tcaattcatt ctatgtaccc gtgggtgggcc acattttggt tcatgtattt ttattctcat 300
tttcatttac tttttatacc ccccttttga cgt 333

<210> 13837
 <211> 373
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13837

 gtatatgtaa atcaaccccc tggatttgaa aactcagaca agactaatca tgattntaga 60
 ttaaaaaagg ctntatatgg ctcanagcaa tatagatact actcttttca taaagagaaa 120
 attacatgat attttattgg ttcaaattta tgttgatgat attatttttg gatctactaa 180
 tgaattattg tgcattggaat tctctcatga catgcaaagt gagtntgaaa tgtaaatgat 240
 gggagaactt aatttctttc ttggattaca aattanacaa accaagactg gaattnntgt 300
 caatcaatcc aagtactgca nagagttaat tcacatatcc ngaatggaaa tgctancaca 360
 tggctaccca atg 373

<210> 13838
 <211> 237
 <212> DNA
 <213> Glycine max

 <400> 13838

 tggcttgctt gtgtattagt taattaggta gattaaatgg gcctaataca ggcctatccc 60
 tttcttttga gtagtaaatg tatatattag tggaagttag ttatttagtg agttagttac 120
 ttcattttgt ccaaaaacag atttagttac ttgttggtgca agtttttaaaa aaattctttt 180
 atcttttttt tccctctcaa tcattcttca tttttcttcc tcttttcgct tcttctc 237

<210> 13839
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13839

 cctaggatct tcttcatcaa tggattcctt tgcttcttgg aagataaatg gcngcggaat 60
 ggagatagga agagagagag gagacgccac ttcaaagaga agatgagtct agaagaagct 120
 caccaccata ggaggccatg gataagagct tggaggaaga acgagatgaa tgaggggaga 180
 gggagagaag agcacgcaaa tttgtgctct aaatgagcct ctgaatctga agtttaatat 240

ctcaatgatc aaagttgaaa aaaatgcaca tacatgacct ctattatagc ctaagtgtcc 300
a 301

<210> 13840
<211> 198
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13840

ctcctaaagc atgtcatcct ctgccccatt aggaccctat agctntggga gccaaagtgat 60
gccttgcggt ctagacttca accatcggtg atagacgcct atgacaccat tgctacttgc 120
cgcctactct atatctttta ttccactct attccacgct tgatggatcc tctaaagtat 180
cttcgcatta gcttcac 198

<210> 13841
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13841

tggaattttt gattcgtgcc cctgcaattc ttgaagcaga gctagaagtt caagtgttgg 60
ctgattatcc tataccttct agcagattgt tgagttctga ttcctctatt aaagaccaaa 120
tggttagtta ataacatagt tgtctatagg aagctttcag ctttccttgg tatgaatata 180
agataaaaaa aaataagagt gctatgtgtg tgattttcta acttttgact aaattggaaa 240
tacgtgactg actcannatt tagagtgtga tcattttctca attctagttt taagttgcta 300
g 301

<210> 13842
<211> 132
<212> DNA
<213> Glycine max

<400> 13842

atgtctacta tcacgagat aatctctttc tctataatcg gaggcgctac ttgagctgcc 60
aagatctatc catctttggg cgtatccttt gaaagatccg tgccctcttt tgcacatggt 120

ctgtagttgc at

132

<210> 13843
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13843

aggatgatggg gnnntnannc ccctttgcac ttccgagact ccactaggan tctncangcc 60
tctcacagaa gggagacctt anttatgaga ggggagagcg tttttttctt ctcgctcctc 120
aaggaagtnt tctcaaagag gctcttcaag gaggttttct cacgaaagct tctcagggaa 180
gctacctact ctataaatag aaacatgtgt aacacttggt gtaacttggt ggaccttggt 240
gctcaataa tcttaagagg gagggtgctc caatatctaa gaagcacaac aatcaattta 300
acaatgttct ttaacatgag cgacacaatt gattgaacac cctaatacaga ttagggaaga 360
gagaatgcaa acactgttta tactgggttc ggcacttctt ggctacatc cagtcttctg 420
aaccacttg agattacact ttcttcgtaa accattacaa tctgaacca ccggacacca 480
tccttgggtt tatgctttta aagaag 506

<210> 13844
<211> 213
<212> DNA
<213> Glycine max

<400> 13844

acttctattc aagctcatct tgggaggaag ctcttcttt catggcttat tccctagtgg 60
atggcgcttc ctctcacctc ttatcctttg tcttccgctg catctccatg gtggaaaacc 120
accattaaag gacctcattg aagctcaaag atccagcttc catagaagct ccacaagcaa 180
gcttccatca atgcacacac ttgcatttat ttg 213

<210> 13845
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13845

<210> 13848
 <211> 204
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13848

agctttgatt cctattanac aacaataact ttgtactcga atgtctgatt gagtcccgta 60
 acatatcgag acgctcgaaa ttgaatggtg aacgtttgag ctaattcaaa cgacaataac 120
 atttttctcg gatgtctggc tgagctccgt ttcatatcga gacactcgaa attgaatgtg 180
 gaacctctta ccttgattaa acga 204

<210> 13849
 <211> 237
 <212> DNA
 <213> Glycine max

<400> 13849

tctacattca atttcgagcg tatagatgtg tgacgggtcg taatgagaca tcccagcaaa 60
 aagttatgga gcggttgat aggtgacat cttcaacaat taatatccag cgtctcgata 120
 tgttacggta ctcaatcaaa catccgagta aaaagttatt gtcgtttgaa ttaactcaaa 180
 gcttgaacat tctatttcga gcgtctcgat atatgacgag cctcactcag acatccg 237

<210> 13850
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13850

cttgttgtga ttttcacnag nggcaaccaa cgggaggcgg aacctcgga tgaagaacag 60
 acaccccacg aagcctcaaa cccgcttctc ggtgtgtgga tcaagcatat caaggattgc 120
 cttcaccttg tctcagatca cctctacctc tttctggctt attataaaac cttacaacat 180
 ttcccaactt gagccagaa gtgcactttt gcgaattcta cccttattcg atacgtacac 240
 ataacctctc ttataagttt acgcaatgtc gattaagcgt ttcctcctgt tttattgaac 300
 ctgcgaatt ttcttaatta cataaccctt gcactttttt aggagtactg tgggaatact 360

ttcatctaga ccgtcttgaa gtgcccc

388

<210> 13851
<211> 103
<212> DNA
<213> Glycine max

<400> 13851

ccctttaccc aagcccagcc tcagcccaac aactcagacg gtatgccag actcatagca 60

tttctcctct ctacgagata acccacatgc caaacgccgt aac 103

<210> 13852
<211> 155
<212> DNA
<213> Glycine max

<400> 13852

agctcttgcg taattaacta aatgtcaaca tcaaatgac ctacatgtga taataggcca 60

acatgatctc agaatcaggg taagggtaat ccctaaattg gctccatttt aattacaatg 120

tgacaatcaa tccccttgtc ttatttaagt ggaat 155

<210> 13853
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13853

tatcttgatg aggatgtgcc atatgttcnt tangactgga ctaatacatt ngctgcccac 60

gtttcatggg cttgcaggtg aagatcctca taagcatctt aaggagttcc atattgtctg 120

ttccaccatg aaacccctg atgtccagga agatcatatc tttctaaagg cttttcctca 180

ttctctggag ggagtggcga aagattgggt gtactacctt gctcccaagt ccattactag 240

ctgggatgac cttaagaggg tgttcttgga gaaattcttc cttgcatcta ngaccactt 299

<210> 13854
<211> 158
<212> DNA
<213> Glycine max

<400> 13854

agcttggttt ctgattaaga tcgcgacttt ggcgacgggt ggagatgggt tctgggacac 60

agctgctagc tatttgctct tggctgcact tgacgtgctt caaacactat tgtggtagcg 120

tagcgagtgt gaaacgacat gctactgtgc aaaggaga 158

<210> 13855

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13855

taagtattct aaagatgtgc gtgacgcgag caaagttctc tttntcgtcg atctggttca 60

aaccagagac agtgttgttg aagatgataa aaagctcgag cagctacttt atgaaaccat 120

ctttagggtt cttaacaaaa tacgtagaga catcggtgaa gtgatatacc ttggtcggac 180

acaacaatgg actaaagtcc ttatgatcat cctctgatgg ctaatctgta tatttgggaag 240

tggatgcact caatgagtca aaccacatag catgactcca tgaagggtat gcatcattgt 300

tgcccaactc cctcctaaat ctatagttac taaac 335

<210> 13856

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13856

cttcgtcaag taagtgcag cttgatattg attttttagg ccacattggt gcaagttgct 60

gccactgtac ctcttaactg ttcaagtcaa caagatggct taagggtgtg gttggataaa 120

caacttaatt aagtgcattat tagataagta cttatcatgt aagcccttat gtataagcta 180

tntctataat aaaagtagaa ataggattaa actctctcaa tataagttgt tagttatttt 240

catgaggtat catggagatt ggagatctta tngataagct gaaaacaact tatggacaaa 300

ttataagcta tgtccataag ctctcccaaa cacttacaag ttcttatgtg ac 352

<210> 13857

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13857

aaatgaagca atgtatagaa gtaaataataa agaaatgaan aacggaccta tacttggttg 60
gaatgggttt gatcatgaca gtagttctag tatctttggg accagattct acaatggcac 120
cctctttgat tagaaaccta gtttcttgtn tcttcgcttg tttcccttc cagtgcctac 180
ttctangtac ttgttggtgt tgttggtgct gctgctgctg cttggtggtg gttcctacta 240
ctac 244

<210> 13858

<211> 305

<212> DNA

<213> Glycine max

<400> 13858

tcgataatga ccaaccggtg ggcaattaaa ataaagagtt ttagctatag aaactttttt 60
ctaacttttag aacttttctt ttaactcctg tatgatgatg catgatgcat atatgaaatg 120
atatagacta agatgcaaca cacaatacaa caatcaatac aaatgccact caagagagtt 180
gggcatgtaa aagaaaaaac tttttgtagc tcttcttgaa gtttcaaggc taagtcttca 240
tgctgctccc cctatctcta atagtaaccg ttggaaagaa gccaacaact agaatgattg 300
ttgtc 305

<210> 13859

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13859

acattggtat ggggtggtgat cttggtggtg gcattctant acatttgata tctgtgttgc 60
attgctcatc atcatagttt gtgtgaagaa aagtttctaa gttagaaaaa tttcttcaga 120
ggcaaacact ctctgtttta atcgattaca tctcactgt gattgattac aacaagttgt 180
ctgaagtttg tagagttgag tctcatattg gtttaatcga ttaccgatat cttgtaatcg 240
attactttgt tgtttgagac catgaatgat ctattcacga gtctctgctt taatcaatta 300

ccaagtggat taatcgatca cttctctctc atttagatgt cagacgtgaa caa 353

<210> 13860
<211> 359
<212> DNA
<213> Glycine max

<400> 13860

agtatcgatg aggtatactt aacagaaaat acttataaca ttacaaaata accataaatt 60
gggagagttg gatacatatt tatacaagggt tttatacaca aaaataagtc attttcaccg 120
actaacaact cacccaaaatt tacagttttg cttgtcctca agcaaaaaga gaacaactca 180
cttgttctca agtgacaatg acatacagtg actatgtaca aaggtgtatg ctacacagtt 240
actgatggca tgataagaga atgcgagtaa atgccctcat cacttgtgtt taataaggta 300
tgcagttatg cagagagaaa aatgaaatgg ttacttgaca gatagatgaa agtatgcat 359

<210> 13861
<211> 107
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13861

ctatgtagnc aatacacatg gggcgggtcc cattagactt tttcaccatt accacgtttg 60
ccaaccactt ggtatactac acctctctaa tgaaagcaac acttagt 107

<210> 13862
<211> 322
<212> DNA
<213> Glycine max

<400> 13862

cacaagatac tcagcttatg tcatagctgc tgagagtaga ggcgttaaca atttctttct 60
ccctgcttt gacctagaca ggaattagtt tacagtaagg ttcaaacata acttgatatt 120
tagattaata cgcacttgcc atcaagataa ggaaacatac actctagcta atatgtatat 180
tccttgtaa agcattcata ctgtgccatt aatgaacagg ttctctctgt atgtgcctt 240
tcttgagatt atggatcaaa catatgaacc cctctaataa tctactctct atgatataag 300
aggtttatgc catacccaaa ta 322

<210> 13863
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 13863

agctttatatt gttgaatcaa gttgattcaa gtcgttgtga taatgacaaa gatgatgaca 60
 aatagccac agaattgattt caagattgag tcaacaagtt caagatcaag tttcatgaga 120
 agaaatcaag aagattcaag aatcaagaga agtttgattt taagattcaa gagaagatga 180
 attcatgttt caagagaaga aatcaagaag acttcacaag ggaaatattg aatagaattt 240
 tcaaaaccca acatagcaca gttttgggtt tccaaagagt ttttctcaca atgttctaag 300
 ctacatgagt ttttactctc tcg 323

<210> 13864
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13864

ccctctggaa atgattncta tacaaaagta gagtcgataa tgctactaac acggagtgat 60
 gatcaatcga tcatgggcct agcacctatt cgtaccagcc cctaagcttg gacaaagaaa 120
 atggtatcat gcaacaagtg tgaaagaata ttacaagatg tttgcattac ctttcgctg 180
 ccctagtgc ttatctcana ttggtgtggt gttgaccatc actcaactct tcatccatct 240
 tccgatttct aggatcctgg ataacaagat gcaaatgcct gcatgattat gatcggatgt 300
 tgaatgtgat aattaaacaa gcgttatcat g 331

<210> 13865
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 13865

aaaaaaaaa gggggaaaaa aaaaaataa aagagagaaa aagaaaagaa aaaaagaaaa 60
 aagaaaaaaa aaagaagaga aaaaaaaaaa aagaaaaaaa agaaaaaaaa aagaaaaaag 120

aaaaaaaaaa aggaaaaaat aataagaaga aaaaaaaaaa aaaaaaaggg aaagaaaaag 180
 aaaaaaagaa aataaaaaaaaa aaataaaaaa aaaaaaagaa aaaaaaaaaa aaaaagaaaa 240
 aa 242

<210> 13866
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 13866

gtcattgtag tcaaaatcaa gattctactt aggatcaaaa ggttaaggaa ctataaattg 60
 tgtacttaat gacagctatc aggtcgattc gcgagatcct acttataaga tatagtgggtg 120
 cttaaagata ttcatatgca tagtgaagag cattaatccg cgccaattat cttatgataa 180
 ctac 184

<210> 13867
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 13867

gctcgaaaag cgcgagagaa cgagctgagt tttctgcgtc ttctagaaaa cgcgatgaac 60
 tcgctaagag agaatgctaa gctaagcgag ttcatcaata ctcatgtat ataagctgta 120
 tctgaagaac tcgccaagcg cacttactgc gctaagcgag ttcatccttt gaggataaac 180
 attcatcctc tagctgaact acctatggct gagcaaggga gaatcgctaa gcctaagtaa 240
 cttaaccaa tttcgtctct taagccttgc gctaagccga ctgtagctga gctagacgca 300
 tttcatcact ggaaacttt 319

<210> 13868
 <211> 83
 <212> DNA
 <213> Glycine max

<400> 13868

atgatgccga gtacaacaat gaagtcaatg tgaacgggag ttcctagcat aactgagggc 60
 atggatgagg atcataagac tat 83

<210> 13869
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13869

taccagaagc ctctctcctc cagatcgcgt atgctntttt ctctctgac cactgcacaa 60
 taactcgccg attaaacaca tacacaacac agctatctca tgtgcctagg actcagaaac 120
 cagcttccaa caactctcaa actccccaca ccggtgccac cccatcacac acccatcaga 180
 ccctactcct tctacccatc tcccatcatc acaaacatca gcgtgcttaa aagaaacatc 240
 tatatgaccc atcagaatct ccttcaaagc atgccgcccc ttaccatctg ttcaccccca 300
 agccataatc tgttcatcag cacatgcaga at 332

<210> 13870
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13870

aggcttttga ccttttgtac cnaenggcgn aatgagctcg acccgggatc ctctagagtc 60
 acctgccgcy tgcaatcttt tgtantgacc agcagaaaca aacggccagc gggcagtggc 120
 gccagacata tactgggtcac ttaacttttc acagaaacac cattcatggt aggtacgac 180
 aaccaattcg gacaaaggaa gatgatgcac gaggettaaa cacatggcca taccgaaacc 240
 atcttggaac agatcccca cgggtcgcca gtgaagtgat actgacgccc ttctgcttca 300
 cttgccaca tctgcccacg atatcagaaa tgttactat ttttgagacc gagattac 360
 acaccaagaa tgagagacaa atccatgcat agctcttccc ttctaaatta taacaaattc 420
 caacgaagtc tgctttacta ccggttggtt ccttcc 456

<210> 13871
 <211> 179
 <212> DNA
 <213> Glycine max

<400> 13871

gttgaattca agaatcaaaa atcaagaatc aagtttcaag attcaagttc caagaatcaa 60
 gatcaagatt caagaatcaa gagaagactc aatccagata agtattaaaa agttttttga 120
 aaaacttagt agcacaatgaa atttttctcaa aacattttta ccaaagagtt tttactctc 179

<210> 13872
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13872

cccttatctg tagctagtat tcccggacct tgaaactcag cctggagtaa cagcaggtag 60
 ttcttttgat ttaccattat aaattactgg aacattctgc tatatctgtg ttttggcaag 120
 cacacaatat attcactggg gattaacaac actttaattc gatcaccatt tgatatatta 180
 tgtgaaactt gtgtttaccc agcgcaccat taaaaacttc aaagccttcc ttttactttt 240
 taataaccct ttcctttggg ggccgttaat taattaaaaa tttcatgatt ttaatctaaa 300
 taaatgaccc tgattaaaga tttttgttca aantaattta aatttagtat tacaatacct 360
 gaaattaatt ctatgttcta accaaacaac caggaacaaa gtgacanacc ttgcactttg 420
 aagacctgtg ttcgcggttt gtgtgcagat nttggtggag tnttgttggt ttaactatct 480
 catattactt tacaatacaa ag 502

<210> 13873
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 13873

tccaacacga caaggaattt ccctccgagg ccgttgccgg aattcacccc gctcccaatg 60
 acatacgaag atcttctacc atccctcatc gccaatcatt tggccgcggt aactcccgga 120
 agggctctcg aacccccctt cccgaagtgg tatgacccta atgcaacttg caagtacat 180
 ggggggtgcc acgggcattc cgtcgaaaaa tgcttggccc tcaagtacaa ggtccaacat 240
 ttaatggatg ctggatggct gac 263

<210> 13874
 <211> 383

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13874

 gccaaat ttt cctgtcctgg ccttcctggg aatccttgcc accatttcca ccataaacta 60
 aaattgtttg aaaggccctt ctgactctgg catcctcacc ctatacagaa tnntaaactt 120
 gatatgataa acatttgaag ganaaaagta aagccattga ttgtaattat tatctctatc 180
 agaaaagtaa ggtagtaatt ctattaagtt tggaaaggaa aatataatac attcattctt 240
 agacttcctg ccattacttn tagtgatggt ctcatgtggt atgatttcag atgtactgat 300
 ttataaagct tactcgaaga ccatgcatca agccaagagt taagttgagt gtnatcatgc 360
 atataagcct agatccatct aat 383

<210> 13875
 <211> 62
 <212> DNA
 <213> Glycine max

 <400> 13875

 ctttttgcac atgttctgta gttgcatcct attcagaacc atatcaaaat tgtactgata 60
 ct 62

<210> 13876
 <211> 374
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13876

 cttgggctga ttgaggaaaa aaaaaacctt tttggtttta aaataaaaag ggttttccct 60
 tttttccatt attttattca agctctgcc aatgtcccta ttcgattgga gcaaaagggc 120
 ccactttctc tttttgactg tgacccatac tcagtcacaa aagtgagaaa aatctgacct 180
 ttgaaacgct aaaatcctgc ctcggtttgc gtgtcatttc tctgattcca gtttctcgcg 240
 tntctctgcg tccgccgggg ccagttttcg aaagcaagca atatatatat caaaacgctc 300
 agaatgaaac cccgagtgtg gtttagaggt tgttttcggt aaattttaag tccacgcaac 360
 acgatgattt ttac 374

<210> 13877
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13877

caaagtaaac ttagggatgg agcaaacggt tccccccatc ataattcaca gtcatcagtc 60
 cctccttaat gagatccctc gattctgaaa gttgagcagg cttgcccatg agtttctctc 120
 tagacgactt atcaccaaaa gcaccatctg gtgggttcgg tgccagacta gcattcgctc 180
 ctttcttct ctctctacca tatcctattg atnttttttc ttccaaaata tagtttctct 240
 agttttttca atgaaataac tcacaatctc tccctcaaaa aagaaaagaa aggaaataac 300
 tctaaatcta aaaaaaagaa gcaatttgcg gcatgtcatt gttttatgga caagacctat 360
 a 361

<210> 13878
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13878

ccaatggagg tagttggcaa tacaagttca gaagtgtcac cattcaatac ttatggagca 60
 gatcgggaaa cataccagat tntgtgcaag caaagtagaa gcaaatgag catctnaaaa 120
 tggtgaagat gaaaattaaa ttttaattgag ggaaggattg ttaggaaaca attcatattt 180
 ttaatttcaa atctctagga tattgcttan atttaaaaaa agaattattgt cttatttcta 240
 ggatgctctt tagaattaaa gatataattct gtaaattaga gatntgtttt ctcttttaag 300
 attatgatgt tagggttata tatagagatt cttaagatga gaagaatcac cagt 354

<210> 13879
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13879

cttgcttggt gcaaaacaag caaacagcat ctctaata nca tccctgaaaca aaatcaacat 60
 ttagattcaa caccaacatt ataatttccn aacactcatt aatcccaatc ctatttacat 120
 tatcttgatt tgggtaggat acgtcacccc aaagctagct aatgaggtga ggattgtcat 180
 ttttttacag ttctacttta gccatatcta acaccctccc atgttaggat tagcatctgg 240
 acaaagagat tgaggaattt ttctgtatta ctgtaattcc ataagacaat acaaactatc 300
 tccattttac ataactctta caca 324

<210> 13880
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13880

ctcacgcat tatggtagt ccccttnttc tctctcctgg aaggcattgg actcaggtta 60
 gtctgcatag aattctctct tacttttcta ttaattgtca aaatgattct gacttgatga 120
 agatagaaaa tagtaaaaaa aaattaaact ccactattat gcaggatatt ccttccttaa 180
 gtgcagaggc agcaaaggaa catccagatg tgtcatacat tgtaactgca ccccttggat 240
 tacatgaact acttggtgta tgaattctct taagcatggt ntattcatat taagtatcct 300
 gaggtagaatt tgtttaaata ctactat 328

<210> 13881
 <211> 142
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13881

agcttgctcn atattacatn gatgttngna tnnatgggag gaggttgat gccgtttttg 60
 ttttaagagt agtgtccac tggtaaaact aactttccaa atttttgcct tcgcaggaga 120
 tggccccgag gaagcttgcc tc 142

<210> 13882
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13882

tagagaagaa gcttcaatgg aggaagagaa tgagagagag tgataggatg ggggaggcat 60
 gggaattgaa ggagattaaa gagagaagtt gaactttgaa gtgtgtctca caagtttctc 120
 attcatcgaa gttatgaaaa gtgttacata tgtttctatt tatagcttag cacatgggaa 180
 gcttccttga gaagctagga aggttaactta cttgggaagc tagaggaaga aagcttcctt 240
 gagaagctaa aggggggcta ctcacacccc tccaacagct aagctcacc catgccanaa 300
 tatatgaaaa tacaatggga agcttccttg agaagcaagg aagaaagctt tcttgagaag 360
 ctagaatggg gctactcaca cccctacaat agctaagctc acccccatgc canaatacat 420
 ganaatacat aaaaagtccc tactacagag actactc 457

<210> 13883
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 13883
 agcttcctt atgtcgttga agcctgactc ggacgagtgg actatgggag actcggcgcg 60
 ttccgctgat tcgccgctg ctgctggcaa aaactacaaa ctacacggtg taagttcttc 120
 cactgccaag cgagcttcgt cgtcagccgt gtttacggcg agcatgggtg ccggaattga 180
 acctttggtg ccgttttaaag atgttcctaa tgctgagaag atgaacc 227

<210> 13884
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13884

tgtagagctn gagttgtaga actagaagga gtagtgataa ttacttagaa cttgttaaata 60
 ntagtagaac ttggtgggtt atcaagaact acacatactc tcggtgggtta agatgaacca 120
 gtataacttt ttgtgtctca caagttttca tttttcttcc gctttaaatc gacctacggt 180
 tcaaatttga ttctgtcttt ggaaacgtta tctatcttat gaaatcgtgt ctatcgcgctc 240
 aattgtttta tgaaaatctg ttatatactt tttgtcacac ttctcatcac acgataacgt 300

<400> 13887

agcttcttat tttcagtcgg ngaagatgaa tgcggggcga gcttcattca ctctctaat 60

gacaatatca tcatttctgg cactaaactg ttgggagttg gaagccatct tctcaattaa 120

gatcctggct tcagcagggg tcatgtctcc aagggtcca ccactggcag catctatcat 180

acttctctcc atgttactga gtccttcata agaataattag aga 223

<210> 13888

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13888

gcttcnattg tgctggatct ttgagcttca ataaggctct tcaatggtga ttttcaacca 60

tggagatgca gaggatgata aaggagaaga gttgagagga gacaccatcc actatggaat 120

aagccatgga aggagaagct tcaccactaa gagagtgcct tgtataagaa gcttcaatga 180

acgaaaagag tgagagagag tccggcacia aattgaagga gaaaaagaga gagataagtt 240

gaactttgaa gtgtgtctca caagtttcac attcatcaaa gttacaacia gtgttacacg 300

tgtttctatt tata 314

<210> 13889

<211> 437

<212> DNA

<213> Glycine max

<400> 13889

tgtaggatta tggagtaccc atcacatgtg gtactatgtg tcggtcgagc aatggtgcaa 60

gacaattctg cacatccaca aatcacgtat aaaccaccca tcccctgttg cccacctcca 120

attgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180

tcaatcctct caagctccca caacatccaa gaaattcaac atcccatcat cacaaactaa 240

ccaaaccaag caaaacaggg cataggcaga tgactctgcc cagaacacia accaaaaatc 300

acagcttttc acatacaaat actccagtaa cattgtcttc gttccaatct gctaaccggt 360

ggatcgactc gaaaagttaa ctggaaggct ctagtacatg agtgtacatt ctgaccgttg 420

ggatctacta gcaaacg 437

<210> 13890
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 13890

agcttttagtc ctgacccggt ctgcacttgt aatgtgcat gctcttgccc agtttccacc 60
 attatcggac aaagaaagct tgaagaccga gctatgcaat ttctgagagg tctgaatgaa 120
 cagtatacat acattcggtc tcatgtgtta cttatggatc ctataccacc catatcaaag 180
 atcttttcat acgtggcgca acaagaacgg caactgttat gtaactgctc tcctaattctc 240
 aattttgaat ctaaggaaaat ctccattatt gctgcaaggt ccgtttgtga gtattatgga 300
 cgaatcggtc accacaaaaa tgtgtg 326

<210> 13891
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 13891

ccttgcttct acattccgct gatgaaactc atagtttctt agggcctgct gcaggaccca 60
 tcgtaaaaaa atgatcaaaa gagttactgg tctcatgttt tggggtaggg ttggttaggt 120
 ttgactaag gttagagaca tttatgtttg ggtaggggtt gaggttctgt ttggtttaag 180
 tagtgtgtgt ggacgagtgg cttaaggcat tattcggtgt gttgtgtg 228

<210> 13892
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 13892

gtccatccat ttctgataaa cgccacttcc ttctgtgggt aaattggagt ctcttgaat 60
 ggtcaatgtg tgactatgta aaggatata cttgggttaa tcactaaaag ggtgaaattt 120
 ccatggagta aagtttgctg ttggtgttta tgattagtgt acatgggtgat gatgattgat 180
 ggactgatga tgatgcttga tgggtgaatt atgggtgatga tgatcaattg agtgataatg 240
 ataatggcat atgatgattg aacccttatg tgatgggtga tgaattaagg attattatga 300

tatgctcttg tatat

315

<210> 13893
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13893

agtttagagca aataatgaac ttgcaagaga atggaaagcc tcaagagatc atccccctcga 60
caacattatt ggtgatatat caaaaggggt aacaagtaga cattctctta aagatntatg 120
caataatatg gcttttgtat ctataattga acctgtcnga acctaccctt cggcggggagg 180
gcgacgcgtg actcgcgggg tgcgtgttcc ccgaaaggaa tacgcgcaga gtca 234

<210> 13894
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13894

nnnttagatg angcttgtat nncagggact atagaagaag acggngagct tctatagaga 60
accggaggaa tgaaagctcc taagtaaata cncnaannna nacaaanagg ggagagtaac 120
ttaagtnca cgagctcgac atcgaatgta taccgaacaa aacctaaatc cacaattttc 180
tttctatgga acaactgctg agtatcacat cacataaaac tgctgccatg agtctattaa 240
ctgcacctt tatcattatc tgatattccg gatgagcttg aaagtatacg atctaccgag 300
aacgcttgaa atataaaciaa tggggccgata aattaaataa ttaggaccc aatttgaaca 360
acaagtaacg ggggagatga aattgggccc atattcttct tggggggcaa atacgcaaga 420
tgtagaagac caaatctcga agtaggacct caaccagcta gac 463

<210> 13895
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13895

ctattagtc ttattcagcc ttatccttcc ttgaattaat tcactttgaa ccttaacatg 60
attatgtttt atcttgatca aaatttatat gggtttgtcat catcaaaaaa ggggagatta 120
ttaagtntga acggtccact atgtcaaaat tggacaatcc atccgcacca natgtnttga 180
tgataacaat gatataaatt ntttatggac taatagtata ttcttaagtc aaacaacact 240
tactttatat gagttcacat taaaaaaatt tatectatct ctcattattag taattgtcca 300
aaggtcacag gaacttgtgt ntattcatct ttatccaacg tccaacatgt tgttgtaa 358

<210> 13896
<211> 325
<212> DNA
<213> Glycine max

<400> 13896

ctgcttcacc acagcttggg taaaagggtga gccaagtata gcaccagttt tcttatcgtg 60
tttttttatt atcttcaact aacctgcact taaacatgca tcatcaatca aacccttctt 120
caatccaaga agaataaata acacatgacc tcatagttat cacaaatcgg tatccaagaa 180
aataaatgac acatgaactc atagtatcac aaatcggtat atatagtaag tttgtttact 240
tttataaaaa ctacataaaa aagtgttacc aattctgac atttgataga acatagttaa 300
aaaactttca cactgaaagt atatg 325

<210> 13897
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13897

ctattcaacg actccgttcc gttctctttc ttcttcttcg aaaccctaata aagcttctgc 60
acttccttct gattccactt ttggtaatat aagcccttcc tcttcttctc agatctgaaa 120
ctacttgttt taactttttc tttcttcgca ttgaatgatt tttacgtttc ttaaacaatga 180
ttgcacgact ctttttccga attccaatct acgctaaatt gttagggttt tatgttctat 240
nttatttgtt taatcgtgta ctctagttgg aaattgaaaa tcacgaggtt caattgacgg 300
aaatcattct cctgaaatgc ttttagatag atgntagtt atggacatga ctagatcgtt 360
gagaagt 367

<210> 13898
 <211> 200
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13898

gggtgacaaa taaaaaaaaa cattcatttg aacttttggg agcatgctaa aggacttatt 60
 cttatcattg atttctcaact tcaaaaaaact gacaagtgtg aaaagtagat atgggtgatt 120
 tgtggaagaa atgtatcagt ggtactgtat gtgcnatata agcactgaaa tgtgatcgaa 180
 tgaacattgt ttgaccctg 200

<210> 13899
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13899

ctcaaccaac caattcaacc ttaccaggac attcatagtc gctgtttgaa tacctcaccc 60
 actcaagtgt agcacagaat tatggctttt ctctaataa acactcttgc cttataccac 120
 tctaaggcta acaatgtttt taggcacaat tgaaggaaat aaaattcaga atttaggagt 180
 tcaagtaaca atccttcata caatcaatat attaccttaa agagattntt tttaaagtgc 240
 ttcaagcatg aaccattcag cccaattntt ttttaattnt gcttatacga atntctgttt 300
 tttttataac aaagagatca aaaggcttaa cttttgcaat ggttcagcct ataagaaaaa 360
 aagaacatga acaagaatgt natctaaatg gaaaagaaaa t 401

<210> 13900
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 13900

ttaaaacaaa gagtttttgc ctctaaagaa atttttctag cttataaact tttcttcaca 60
 cacactataa tgatacacia tgcaaaacag atatcaaag tactaagatg caacaaccaa 120
 gataacaacc aatacaaag tcaactcaagg gagttgggca tgtataagcc aaaacttctt 180

cataaatgcc taaaactctt taactactct atttctccca ccacatcatg gtcactgcac 240
 tccccatgta catacataac atacattatc acaatgacgt tttcaatgtc aacaacatct 300
 catcttaatt gtcttaccba catcaacatc atgtcatctc aatatca 347

<210> 13901
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13901

tcaaacaaag ctcacctcgt ggagaggctt ccttaggacg attcgtaaag aagctagagc 60
 ttagctacac atacctctct aatagctaag ctcacctcct tgagatgaga agctagagct 120
 tagctacaca ccnctataa tagctaagct ccccccatg acaaaaaaca tgaaaataaa 180
 aaaaaagtcc ttattacaaa gacaactcan aatgccccga aatacaaggc ctaaacccta 240
 tactactaga atggccaaaa tacaagacct tgacgaaaga anaacctatt ctaatattta 300
 caaagatagg cgggctatac ttag 324

<210> 13902
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13902

agcttttgcta gctntcaaca aatttcttca caaataacta tcaaaaggca taaacctagt 60
 aaaactaccc atcatatctc ccaaaaccca ataccatga acatttatgt gagaagaagt 120
 ctacccaaac ctgaaatctg aagtcccact atgtagaggt gcactntacg actccgaaaa 180
 tggcttcttt tcgcgatttg gaacagaaat ggtgagcaaa ggttgagact ttga 234

<210> 13903
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13903

atctgacaca taaaagccga aggggaaatg acatagatca taaaacaact gcanataaac 60
 gtaaatgttc tgaatgcata aattttaaatg tcctgctcct cctgtggctg atcttcatta 120
 agatccactg tggagctgct gatgaatcct atataagctg ctcaagctcc atgactgggtg 180
 tggatcatca ggaatagggtg cacgggctag acatggcttt ggaataatct ttggagaagt 240
 ttccttctct cgagccatat gtacacctgc atcataatca tagggcttaa gaagagtcag 300
 ctcattctca cctcttac 318

<210> 13904
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13904

agcttgtgtt ttatacacta catcatccaa actgcagaga ataactcaag ttcttgaggc 60
 ttgtcattgc atgtataccg tacaaaacct gaatccaaaa tttccttcct aggtagcaac 120
 tgctgagtat cactcacata agaactgctg ccatgagtct ttatctgcat cctttttctt 180
 tatctgtttt tcctgatgag cttaaaagta tccatctaac caagaacct tgaaataata 240
 aacaatgggc agataaatta ataaattagg atccaatatg aacagcagtt aacggatggg 300
 atgatatngg gctgatantt ctctttg 327

<210> 13905
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13905

gtacttcac cctctgcagt ttagatgaga agtnaaaacc atcaatntat catanaaatg 60
 ttttcaacaa aacaaattga catacataca acacaacaat gtaaaaatga ttagttttta 120
 caatatgcta attatgttaa gtgaacttag ttgacctta tcattatatt tatcttttgt 180
 ctccatcatc agtgagaaaa tacacagaac attaaataaa ttcacgggtat ttctatagtt 240
 acaatgggag ccaaagttga atgcacaagg accaaggagt cgagtatgac tgtangggca 300
 gggaaattaa ctgnggtcaa cggcccatc ttgtttgggt ccccgacgca tgtgttttgg 360

atgccaaacca cttgtgtttg ctttagttaa aagttaagga tacatttaat atg 413

<210> 13906
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13906

agcttgtggtt actcttaaag aaaaagagtc aaagncgctg attgagatag agacatatgc 60
tactgaaaaa gatacccttc ttaagaactt tcaggagttg gaaaacaaac taaaagatct 120
tcaaaaggat ataaaggaac ttaatgaact acatattcat cataaaagaa aaaagatgtg 180
atctttggag agaatgcgca caagcacaca aagattatga tgaactcaa gtgagtaaac 240
atgatttttt ggtggaatgt gaagaactat cttttcttga agagttatac aaacttcaca 300
tgtctacatg gactcggaca atgaaacatc tacttgatc 339

<210> 13907
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13907

tgaaggtgtg tagtccacca tctggtgata gnagaatatt ggattgtgtc tactatcatt 60
atcattgggt ctccgtcatt gaagtgccac ttgagctgcc aggtctctcc acctttgggc 120
gtattctttg aaagatctgt gccccttttt gcacatgtta tgttggtgca tcctatccgg 180
aaccatatca aaattgtact gatactgcct aatgaaggca accattatgt ccttccaaga 240
gtggactcga gaaggttcga ggtagtgta ccaggtaaca gctacccag taagattatc 300
ttggaaggaa tgtatcagca ggtcctcatc tgttacgcat gccgcatct tccgataata 360
catccttaga tggttctttg ggcaagtagt ccccttatac ttgaca 406

<210> 13908
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13908

agcttgattt cttagcataa tcactngcat cgcacatgga ctcaaattct tgcccctatc 60
 tgggtgttgta attcctggtg caaacactaa ttgtgttttc aaatcattaa atgctctcat 120
 acattcttca ttgaacacaa aagcaacatc tttattcaac aaattgctca acagtttggc 180
 tactttggag aaatctttta tgaatcgct agtgaaccct gcatgtgcta agaaacttct 240
 tattcccttg acattcangg gaggaggtag tatgtcaatt acattgtaca cctctttccc 300
 tcttactgac attttatgcc ccaacactat tcgcttctga accatgaaat gac 353

<210> 13909
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13909

tgctctgaa gaaaatgggc gtagcgacat taaaaaatgt atttatgcac atactnctnc 60
 atggggagaa accactctcc atcactagtg tggttaaacac tactatatga agccacttcc 120
 ttttatgtct gagcaggtct gtgtaaaaga gctcttcttt tgatgggtgat tgaggaatct 180
 tagaacttag cttcatttat tcttcataag attcaaaaat tcctatgaga atgtgtctgc 240
 aaaatagatt tcaaacacat ggtattaaat gatctttaat ttgtatcaaa tcataattct 300
 atcttgctat catctgaaac atcagacatc gacttcacaa atcatgttcc gatagtgcac 360
 gagacataac tcttaatctt tgtatt 386

<210> 13910
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13910

agcgnntgca agctnntgag tccattatat cctgacttca cncataannn accttgacgc 60
 caggtgtgga gaaatagtnn caatccttaa ccctttcgga agccagaaaa aagaaaatag 120
 agggngngaa atttcnncac atcaaagaaa aacagaagaa gggannaaat ttccaatcga 180
 agagccaaaa aaagaaaaaa gaagggaann aattccccac natcaaagaa gtgggagaaa 240
 agcanaaaaag aannagaaaaa gggaaagatt cccaatcata agaaatggga gaaaagttna 300

aaaaagggaa gaagaaagaa gggaaagaaa agctcctgat caagggatcg aaagaaaacc 360
agaagaaatg tgcagagagg tctttggacc ggacaatatc tgaacaatac agaa 414

<210> 13911
<211> 354
<212> DNA
<213> Glycine max

<400> 13911

agggtgatgt tgcgcgtact gatgggtacc atgatgtgtt tgctggagtt tgacccacgc 60
ggttgttgaa gagacggcat gggcatctcc ttctttcctt ttgcccctg tcgcccgcgac 120
tcttttggca ttcacgtttg tggaggaaac gtaatcaaac ttctctctct tcaatccaac 180
ctcgattctt tccccggcaa acgccagatc cgcaaagctg gacggcatgt aaccactag 240
cttctcatag tagaactctg gcagagtgtc taccatcatg gtgatcatct ctctctcaac 300
catgggagga gctacttgtg ccgccaaatc cctccatcgc tgcgcatatt cttt 354

<210> 13912
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13912

acgatgcaag cttcgcattc tnttactcaa actcttcaca caaagtcgcg tgccgcgtac 60
agcgccaata cttgcttctc ttgtcacatc cttctttcga cttacacacg attagaatat 120
ccaactcaat acttcatgat aaatggcgcg agaccatcga atgaagagac aatggagtca 180
tcctccacca ctcgatgctg ctgccatca ccgacacgga ccatccggag caccacagc 240
acctattcat acctctatgt ca 262

<210> 13913
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13913

gacacataga tactcagctt tagccaatgg actaccttga atgaattcct ttgaatcctc 60

ttgagcctat gttccccctt ctgtgttttg aagctcatta caagccttaa gtgaaaaacc 120
atgatatcac cttaccctta aagaattttg gagctttgga attgttttgg gaataagctg 180
ggaataagta tgggggggtat gtttcattgg aagatatgat ttttggccat gcttaatgtn 240
ttattttggc catgcttgat gtatatatat attgcctagt tctttcttta atattcaatt 300
tcgtactggg caataaaaga aataaaaaat ccatagaatg aacaatgaca aataaatgca 360
gttgctgcaa atgctgcaat ttcgtacttc aaa 393

<210> 13914
<211> 180
<212> DNA
<213> Glycine max

<400> 13914

taaacgccac atccttcttc accagctcat tgacaggtga tgcgattgtc gataaattat 60
gaacgaacct tctatataag cttgctaacc catggaagct cctaatatcg tccacactct 120
ctgggggtggg ccattattgg atggccttga ttttctcatg gtccacttgg accccatttc 180

<210> 13915
<211> 497
<212> DNA
<213> Glycine max

<400> 13915

agggagcagg attcagcgac gttagcagca cgcgacgcca atgacgagcg tcgcatcta 60
taatgcgcct gagtcggacg tacgagcgat tatggtacga tcattgcact tcctcgagag 120
cgacggtggt tcaataacaa gcgctctctat atataatgtg ccagaatcgg acctccgagt 180
gaaatgttat gaccatacga atctctcgag agctaccgtc ggacaatacc gagcgcgccc 240
tcgtaagatg cgcctgaacc tgaccttoga gagagaagtc ctgaccatgc gcattattca 300
acagcacgct cagtcaagac caagggatct ataagaatgc gcctggatca acatccgagt 360
ggaagaaaga cagggcattt ctaacagcat ccgtggacaa atcacgcgac tcgacaaaaa 420
tcgactggaa cggacactca gaggaaagtc agaccgcgcg atatctagag aacgctcgg 480
caaataacag cgccccgc 497

<210> 13916
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13916

 cagctcggac cccggatcct tgagtcgacc gcaggatgca acctctatct ttgatcctga 60
 gtaccttctg cagttgggta cctcatggct gattcaagct ttcactgccc atcctctcaa 120
 attgaactct gactcatctc ttcttcttga gctataaaga agtgggttcag ctgttgaggc 180
 catgaatatt agttagaaaa taattcanca gagtggaaatg gcgttggttg tgttggttgta 240
 aataatcccc caaaagataa gaaaataatt attagcaagg atccaaatgc ataacctaca 300
 aagcgcatat tgctatgaag ttttggtc caacaccaag aatgctagaa tcctttttct 360
 gaatatgtga agcatcaggc atcatttaat c 391

<210> 13917
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13917

 ntggatcttt gtaagcagta gaagaaaact atgatgctcc tgatttatct ttagatccaa 60
 cgggtggctca gatgaagaat cacagagaaa ggaagaccaa aaagactaag gctaaaaatt 120
 gccttttctc tactgtgtca aaaattatct ttacaagaat tatgaacttc aagtctgcca 180
 aacagatttg ggattatctc agatcagaat atcaaggctg tgaaagaacc aaaggcatgc 240
 aagtactcaa cttgngcaga gaattcgaga tgcagagcat gaaaaagact gaaacaatta 300
 aaggctacgc tgaccggctg ttaagcatag caaatagagt gaggttctt gggaaagact 360
 ntcctgatga aagaatagtg canaanatcc tggtcactat acccgagaag tatgaatcga 420
 agatatc 427

<210> 13918
 <211> 277
 <212> DNA
 <213> Glycine max

 <400> 13918

<210> 13921
 <211> 359
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13921

 ggcaaata accattatgc ttggataaat gcaaaaaaac tggggcaaat gaagagggtg 60
 agaatgaggg agaaacccat gctgtgactg ccatttctat acagccaagt ttcccaccaa 120
 cccaacaata tcattactca gccaataaca aaccttctcc ttaccaccca cccagttatc 180
 cacagaggcc atcccttaat caaccacaaa gcctgtctac cgcacttcca atggcgaaca 240
 ccacctttag cacaaactca aacaccaacc aagaaatgag natttgcagc gaaaagccta 300
 tagaattcac cccatgtgtc ctatgctgac tngctcccat atctactnga taattcaat 359

<210> 13922
 <211> 159
 <212> DNA
 <213> Glycine max

 <400> 13922

 agtcttcata atagtgatga ggtacaagcc ctaaaggcag agcttgaaag agcccgagta 60
 gtcgaagaga agttcaagtc catagccatc aaagtctgga aagagtatga tgaactaagg 120
 gacgtcaata tggccaccgc tgatgccttg gaacgagaa 159

<210> 13923
 <211> 264
 <212> DNA
 <213> Glycine max

 <400> 13923

 agttaagctg ttgattcaga acacttcatt cttggtatac ttgcatctcc ttcccttgag 60
 tggtgccaat gtggtgctag gagtccagtg gcttaaggct ctaagacca ttctcacata 120
 ttacaacacc ctctccatga aattcttcta ggatggccaa ttagtggagt taaaggggga 180
 agatgcatct accttgcacc tcctttctca tccccagctt cgtcgccttc tttgaaaaga 240
 atggcgcgag tgcctacttt caca 264

<210> 13924
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13924

tgaattgact cgagggaaga aaattgaaag agaacaaact cttgggtgtc tataaggggt 60
 tccgtttaga cttagggatc aagggtcgct acgtctttga aagttatagt gcacaagaat 120
 aaaaaacaat taaaaatata tgattataca ctgagtaggt tgaaaatata attgttnctt 180
 taatgtgcgt atcattactt tttaattaat taattaataa ttataagtt taattcttga 240
 atactttaat tttcttatta aagatattgg ttataaatt aataatacgt ttgat 295

<210> 13925
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13925

agttgtatgg ttaagttatt atctagtctg atagntctaa tttttctatt ttcgcgtatg 60
 attagtcatg tatgtatgg tttatatttc ttacgcactt tggctttttg ttgatgccaa 120
 aggggggagag aaaaatgaat attttagaaa tcaagatatt atatttttca agacttcaaa 180
 ttaagcataa attcaaaaac aaaggggggag aatatggaga attaagtgag tgatcgacta 240
 tgaaaaagaa tgtgtatgtg tttcttgatt taagggttgt catcataaaa aaggggggaga 300
 ttgtgaaagc aatgtcttcc aagggttaatt tgatgatgcc caagaatcaa g 351

<210> 13926
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13926

gctgagcgcg tgcttcaggg aaatagaaga cgagcgcgtg ttttgcaagc ttaacgcgag 60
 ctntctgggag agggcggtct tagcgcgcgt gttgcaagct taacgcgcgc tattgttgga 120
 tcatgggctc agcgtgtgac gcgcgctgag cgcgcggtata ggattgagct cgcttctgat 180

attcttcttt tatttaataa tttctgcctt tctgcttget acacctgcac gtatgatatc 240
 tgcaggctaa attcaacaaa tcatcaattc tctaaaatag aagcgcaaat acctgcgtaa 300
 taattatatt taaagacaat atgtgcttat tga 333

<210> 13927
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 13927

agcttctcga tatattacgg gactcaatca gacatccgag tgagaaagtg atagtcagtt 60
 gaactcgctc atagctgaca catacaattc tgagcggttac gatataattac gataactcaat 120
 cagacatccg agtaaaaagt tattggcgcc agagtatact cagagcttcg cgattcaagg 180
 ccgagcctgt cgatatacta ccggactcaa tcacacctcc aagtcaaagg ctattggcgc 240

<210> 13928
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13928

gacacttaga tactcagctt gagcaattca gcaaaatcac tttttactcg gatgttgatt 60
 gagtcccgtg atatatcgag acgctcgaaa tggaacaccg aatctctgag aaaattcaaa 120
 cgacaataac tttttactcg gatgtcagat tgagtccaga aatttgtcaa gatgcttgaa 180
 attgaagacc aaagctctga gcgaattcaa acgacaataa ctttttactc ggatgtgtga 240
 ctgagtcccg taatatatcg agacgctcgg aattgattat cgaagctctg agcaaattca 300
 aacgacaata agtttttact cggatgtctg attgagtcct gtaatatatc gagacgctag 360
 aaattgaata ccgaagctct gagcaaattc aaacgat 397

<210> 13929
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13929

agcttggttg atgtacttac ccgttgaaga tcgaagagcg atgaagaacg aatgaagaac 60
 gtcgaagaac ggtcaaaacc tttgcgaaag tcttcacggg aaacgttact gaaacgtttc 120
 ggaagtgcct cggcttaaata tttcttcacg gaaacaattt ttccaagcaa attctaaaga 180
 gagagaagtg cctaaggggc tgaacccttt tcttcttcac ttccttcctt atttaatagc 240
 aaatangga gat 253

<210> 13930
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13930

tgcatagata taaacacana tgagagctat gatgtgttgc tttgatagag aacgtaacca 60
 aaagcatagt aaaacaactt cagctgttga taccgtcaaa acaaccaatt ctctcatgtg 120
 aagaatatgg aggcaaccac catgcctgtt actatatgga ggaagtagcc aaggaaacca 180
 aattcatgag agaatgcact acaaagttag aagaaattgt aatcaacctt agcatcacat 240
 cttactccaa cctcgagaac accgtgaagg taataaattt tttaaaagat caagtaaa 298

<210> 13931
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13931

gcgngtgcaa gcttcttctt ttgtcgtcgg cgaaagaaag tagtagtagt tatgtcgtga 60
 gatagagtan nttgacatnn naccacgccg agaaggaaga acgaaatgag cananntcgt 120
 ggtggggaac ccacgttnnt aagcgccgtg nngctggnnn gaaggggcat tgnngaaata 180
 nnggtcgtt cnntgatcca aggggaagaa ttatcttctc ttggcaaaat nntgggtctt 240
 gcntttgacn ncattctctc cctttttgaa ttntcctcan agaaaaccct tcgccgatat 300
 gagcagctac ttgcgtctgg gccattctaa ctgttgcgt agtctttgaa ttcaacatag 360
 gtatataaca actacaactt tacgtctata actaactaaa ataccaatac tcttcttttc 420
 at 422

<400> 13932

<210> 13933

<223> unsure at all n locations

<400> 13933

<210> 13934

<223> unsure at all n locations

<400> 13934

5874

<210> 13935
 <211> 516
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13935

nnnaacctag tcagcgcttg atgccccctta gtagnncnnt ttgatccatt tgagaccagg 60
 gaactcgaga gnggacccgg gattgcaaga ctctcttgag gcatgccgcg acaataggag 120
 ctatctacac acacccctcg tgtactcacc tcggctcctt gagaagcttc ctttaagatga 180
 ttectaacga agctagagct tagctacgca tacctgtcta atagctaagc tcacctcctt 240
 gagatgagaa gctagaactt agctacacaa cccctataa tagctaagct ccccccttg 300
 actaataaca taacaatata aaaaaattcc ttactacaaa gactactcaa aatgccccga 360
 natacaacgc taaaactcta tactactaga atggccagaa tacaaggccc aaacgaaaga 420
 gatactatt ctaatattta caaagataag cgggctcata cttagcccat gggctctgaa 480
 tctaccctta ggctcatgag aacactangg cctctn 516

<210> 13936
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13936

agggatgccc cacattatgg ccatgacaca aatgcaaaaa tgatgatttg gaaactntat 60
 gcanaactgg tcatgcatgc acctatgcgg acactcaagt gtcaaatttt tatgggtcatg 120
 tgatgctacg gctcaagatt catttcctct attttaatca acccaatggt tccaaaatat 180
 gttcttttat caatgtgtgc attcatccga gtccatttca ggcgtccgga gaaatttcac 240
 agcattcacc cttcatgtgt agacacattn tccaaaaatt gattatgatc aatgaatggt 300
 ttcacagaaa gggttgganat cgtctctttt caaagcatgt tgggtttttca gcttgcaact 360
 taatnttttc tttcttctcc ttccctt 387

<210> 13937

<211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13937

aggatgtgaa ctgatccctt tggaanccgn gtgatcgctg agctactgaa ncccagagnn 60
 gacagcgagg ctgccaggct ccttttggtc agatcgaagc gggttcttaa ntttggcgcg 120
 ccaaccgaac ggaccgggga gagagaccga ccacacaaan nccccgaac caacacgcgn 180
 cgcaaaccga gcggaaggcc cnacaaggac cgaagagaga caaccggggg aaaaggcaca 240
 cccagggaaa accacgaagg cggccaaagg acaacaaaa gcaccgggaa aacgcaggac 300
 cccaaaccga accacagggc caaagccaag aaccaccaa agaggccaag acgggacggg 360
 gcgacaggac acacgaacca aggaancaag cgcaccaanc caccaacagc agcacacgaa 420
 cggaccgagc aacaancccc aagcgccgcc gcgggncagc aacaaccgca ccggccaaaa 480
 ggaacacagc cggacacg 498

<210> 13938
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13938

aacacagnca taacaatgga gtagcgagat ataagtatca gagtattaaa tacaataagc 60
 caaactcata atcaataaaa taatcaaacc agaggtcaca taacataaaa tgtcaacaac 120
 cacaaaatat ccaagactga cacacaagag aaataagcag agtacttagc atactaatgt 180
 acattctaag agactaaaag ccaaaatata cggcttataa aagataaata agcagaatct 240
 acaatctaag aagactgagg aggtggtgga agatcaaaac tctgacgaat gtatccgaca 300
 tcctcttcaa gctgtgtaag acgaatgtnc atacctggca agcgtgaatc taacgagtca 360
 aagctgtcac cgacatacga ac 382

<210> 13939
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13939

aagagtgtnn nntttgann cctttgnggg ngccgatgat gcgtttgaaa nccagggcga 60
cncagacang acccgggagg ctctaagtcg atttgaagtt ggaacacccat tatattcctg 120
tgtagacca cgctatgggc gcgagagtgg gccctttctt cccttcgcaa ctggagtaca 180
ttattgctac cccatagagc tccgcgaata tgggtcgggc catactcttc ctgggtgagcc 240
ctcttgtgct ctagtccaag ggctctggcg ggaattgcat tctcttcccg taaccggca 300
cactccttcc gaacgtgtgt agcagccaac ttgaacttct ctttggcgag tttggccttt 360
cctaactcgc tattgagagc ttggacttat tcttcacgtg cagttgctta aaaataatct 420
tgctgacaac gtttaactcg gcgagccatt ctaaactcg tatgcgacct gtcaaccatt 480
cgtgggtacc aacaatgatg cct 503

<210> 13940
<211> 330
<212> DNA
<213> Glycine max

<400> 13940

gcttgagggc gtgccaccat cttgatagta gagatctgta atgtgtctac catcacgata 60
tcgtctccct ttccatcatt ggggtaccac ttgggcecca aacctcccc tttaggcgtg 120
actttgaaga tccgtcccc tttctcaa atgtctatagt tgcacccat cgcaccatat 180
caaaattgtc tgatactgcc tacaaggaac cattagtctt tcaaaatggc tcggaagatt 240
caagttatgt ccatgtacag ctccccgaag actttttgga ggatgtttac aatcctctct 300
ttggtattcc ccatttctga catcatctta 330

<210> 13941
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13941

acatcgacat gattgtcttt gccaaactgca aatnctgaat cggtcacaaa aatgctcgcg 60
agtatgtcat ggatgcctag ggtagtctgg ttgatggctc ttctgaacag cagttcgctg 120

agtgccttca gaagtttcaa atggcttgct caccttggtt aatgttcgtt gactatgtta 180
 acgaaacctta gatactccca cacaagagan gatttattac agcctgtatg aataaggtga 240
 tgcacttatg caacacaaca acaaacgggt attaaaatgt tacaattttt ctagtaatgt 300
 ctatttaatc atggaatgta attgcagcct atttta 336

<210> 13942
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13942

ctctgagcac atacaaacga caataacttt ntactcggat gtacgataga gtcccttcat 60
 atatcacgac gctagaaatt gaacatagaa gctcagagca aattcaaagt acaataactg 120
 tctgctcaga tgaccgagtg agtcccatca tatatcgaga ctctcgatat tgaatacaga 180
 agctctgagc atatgcaaac gacaatacag tttgagtcgg atgtcaactg ag 232

<210> 13943
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13943

nnnnctata gaagactgat tgntanttag tactaccngg ctaatttcag ttgagnaccc 60
 gcgatcctnt agagnngccc tgaggcgatg cagcannggt ttttataggc agcaccgaca 120
 agttatttcg nggggacgag accacgcacg gggngcgtag cccgaannca tggaggacct 180
 ctgagcattt tcaccgacaa taacgtgtta ctcgggatgc ttgattgagt ccagcatata 240
 gcgagacgct cgaaatggaa tgttgaacct tttagccaat ccaaccacaa taaatcttaa 300
 tcggatgtct gattgagtcc cgtacatatc gagaccgctc gtacattgaa tgtttaagct 360
 ctaagccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccggaatat 420
 aacgagacgc tcgaaattga atgttgaacc tctgagccaa ttcatacgac actaactgtt 480
 tactcggatg tctgattgag ttccgaaata tatcgagacc ctg 523

<210> 13944

<211> 471
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13944

 nacggtctgt ttaagctnnt annnctnecn annnncagng cccaacnttg gagacaaggt 60
 ggttctccct gataaatata aaaaaaatg gcagagcaat gagggggagg aggccggccn 120
 aaaagaaacg ccgcaaaaaa aggcgcacag catcaacatt gaatttcgag cgtcacgata 180
 tatgacggaa ctcaatgaca catccgagtt aggagttatg gtcattcgca ttgggtcaca 240
 ggtgcaacat gtaatctcga aggtctcgat atattgcggg actcactctg agattcctaa 300
 cacgacgaca ttggggantg aattgggtca gacgttcaca tgtaattcga gcgcctcgat 360
 tattatgggc tagaaaaaca ttcgagaaga aggattgggt ttgatatgct aaagggtgcaa 420
 attaattcga gcggtggtgt ttatggacta cattgaatcc agataaggtg n 471

<210> 13945
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13945

 tgctgtcttc gtatatggcc acctgataat cctatcgaaa agctctccac ctgcacataa 60
 ttccatcaca acatgaacag ccacggcatc ottatatgca cttttgatgg atataacatt 120
 acgatgcccc gccaaagtggg gcattatctg aatatctctt ctcacatcct ccacatcatc 180
 atcggtgacg agcttctctt ttgcaataga tntgcaggcg cactccagcc ctgttgccct 240
 ttccacgcac aagaacgttg tcccgaactg accctgtcca agtttctccc agagtaaaga 300
 actcttgaaa tatcgggtctc tctttgaaca cagaataaca cgaaccct 348

<210> 13946
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13946

 aaagaattat tgcatttgac accgctcatg tcttacttat gcacatgcat atnnntatct 60

tgtgaatcaa aagacaggaa caggatcgct ttaagcgatg atcaaatact gtgccaaatc 120
 caagacagag atgaaccgag gtaagtggta gcatagccac atttttctac gcaatgtcat 180
 ttctgtttt caggtgctcg agaacgggta caagtaaacg ctaggcccgat gatcagcgaa 240
 tcategtccc acgtccggct ccgagtgatt aggaagcacg actgggagge agcctagtat 300
 cctttaaata tctgcctatt atcattttta tttctctaag gagatgatcg gatatgccta 360
 acttatecta tgggtgtcga gtaaacgagc accgacccat agagaacacg tattttt 416

<210> 13947
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13947

tgctaaaaca gaacattggc atagcaaaga tcaaagagta gtgggttaaa acctaacaac 60
 ttcaaagaga acatagtgtg ctatgaacac ttattgaaca aatcaacatg ggtaacaact 120
 tccaagttta agtcttctca aactgcctaa gcaagtccca agtcctttta cacttcgttg 180
 cccatcggtg tggggacaag ggtgaaataa cattangccc acttgctcac aagtctcaaa 240
 tgggttagaac taagtcctat atacatgctc tggcaacatg agctacaatt cttaaa 296

<210> 13948
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13948

tgtaagtggg tcatgatgaa gcagaatata aactgttggg tttatctatt ttatatgggn 60
 ccaatggaca ccaactcacac tagatttatt gcttccttcc tagcaacctt ctgataacca 120
 tttgctgttg tcgaagtcaa tttctggcaa cagaattttt ttaaactctt tccttaccac 180
 ctttgcttct tttctctccc atcaatccct tgtcttcgac tgcaactgtc tttcacaaaa 240
 tattggcacc cctaaaatat gaaattaagg ccattccaag attgacaagt gaaacacgac 300
 ataaacatca aaagtgatgc gtatgaccaa aagtgcattc aacatactaa tcttcaacac 360
 acatacagaa aagtgagata gtacaaa 387

<210> 13949
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13949

agctgaagtt tcttcatttg cacaagacgc taataggnga agagtatcct tgtggaacct 60
 tcacccgacg aagacactga caaaaactta tcttctcctt cttggacaag gtatggcagg 120
 ctggggggcaa gtaaattttc ttcccatcac accttggatg caattgtgat cgtataccca 180
 tatcagctag atcttgatgg gtattcaagc catccttcgt cttgccttga atgttaatga 240
 gcgtaccaat cacattgtca caaacatctt tctccacatg cataacatca atacaatgtc 300
 taacgtcaag atcacaccag tacagaagat caaagaaaat agacctcttc ttcatatgca 360
 actctgactc ttatccttct tttgggctta ccaatac 397

<210> 13950
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13950

ccgcctgtc gatgatncga nagtcagaag canntncgag acaccncaca acnacncaag 60
 ccgtgagacc nncaagcgcg caggagagac aagaagagga agagatatga nttctccgcc 120
 tatgtcacca ggggcnctgt agagttnngac aaagtgagaa tggatacaag aggacaaaan 180
 cntatagcac aagctctcgt ccttcacgac cagatcacat agacagtcgc acttttacac 240
 ctttggttga taacgaatga gtctcagcac cagaaagatc gtgtaccga atacggcaca 300
 tttaccaatg tgcgccacta ctcccaaat ttagcacgct acacataggc gcttgagggtg 360
 gctctactct agtgagcgag gtatgtgtta tcgtcatcta accactagta ccacacgctc 420
 tctgcagtag gtctcgaagc atgaaaatac tctatgcgac agagtagagc gaagctttaa 480
 cctcccatctt atccccgata tttcaacagt ggctatccaa ccctctagag tgatctttgt 540
 tcccctaata ccaaactatt tccactctct atcacaaagg aaatattacc ctttgtctct 600
 tacaatatca aacg 614

<210> 13951
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13951

agctcggacc cgggatcctt agagcgactt gatgcatgca agcnnnnatc atatagtaag 60
 tacacttaaa tatgacatac cagttgtttg gtctcccacc attcatttgg tgcatacaata 120
 gtgttcctga tattgtctca tcctaaacca gtttcttttc taaataattt gtatcataca 180
 caccaatctt ttctcaagtt atcatactta ttttttaatt gtgccttggt ataagtcctt 240
 ccagttaatt gtgtaaactt ggattgaata cctttccgcc ctaccttagt aaagctagaa 300
 ccaaggcggt cccctctagt aatatgctcc aaacataagc ttcataaaaag ctgcatttgc 360
 ttttgatcc caagtagctt tttctgtgca atattttgtg aaagatcgca atagctattc 420
 tctaataac tcataatcaa ataaat 446

<210> 13952
 <211> 106
 <212> DNA
 <213> Glycine max

<400> 13952

aaggccgact gtagcacctt ctgactactg tcacaagttg gacttttata acggcaaccg 60
 acactcgtct gcgatatggg ataattactt agactgcgac tgaaac 106

<210> 13953
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 13953

cctcatgcac tcctctcatg actatggcat cattactggc gctcaactgc tcacaagagg 60
 atgccatctt ctacaacaaa ggtctgcgct tcatacagag tcatgtgacc tacggctaca 120
 acactcgcag catctatggt acttctgaac atattactga gtactcccta aaaatatagc 180
 agaagaaacc gttctgaaat ctgatgggta gggcgaccgg cacatagctt cttaaacttc 240

tcccagtact aatacaggct ctatccactg atcgtgctaa tacctgacat atctgaccag 300
atggctgagg tcctggaaca tggaaaa 327

<210> 13954
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13954

ttcaatacaa gaaagcatga cttttgcta tgaatctaag tnntggtttt gaatgacaaa 60
aggcatgaat attatgacat gtttgagagg ttgttattac aatttaaadc tggctgcccc 120
atgaggaata ccttgcacct angtagcatg gaaaatacct ttcaacggta tgtatatatg 180
taaatatata tagcatggaa atgccttgca aaatgttgaa taaaatgcct tgcagaaagt 240
tgaataaaat gccttgcaca atatgaatat atatagcatg aaaatgcctt gcataaatatg 300
aatatatata gcatgaagtg ccttacacag tgttgatgg gtagcgtaca agtgtttttc 360
aaaatacgtg tatttgcgag taggtaacag aagaagcctt ccanacaatg tgtgtatata 420
tatatgatgt agcatg 436

<210> 13955
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13955

tttgcttgct tctacaatat gnacaaagat aaatgggctc atacttagct catggggccca 60
aaatctaccc taaggctcat gagaactcta gggccttctc ttgcatctcc agtccaatct 120
tcttgagtc ttctatgcaa tgccttgct atgtaggatc gcatcacttc gaatgctttg 180
agatgtacta catacccagg gagagaaact ccatatctga cttgctctcc aagctggcca 240
gctccaccag gactgggcac cttatgacta tcgtccacta gatgctc 287

<210> 13956
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13956

tcagaccaca gcaacacaga atctaggagt tcaaaatccc tctattcaat gggttttcta 60
ggtttgaaaa gtgaaattta gaatgaggta aatttgaagc aaactctcac ctcacaccag 120
tccataacat ccatttagac ttgttcaaac tggatttaca cctaaaatct caccgaatca 180
aaatttgact cttcaacacc caaatttgcc ctagaaatgg ctctttgttc actttgggtca 240
tttatntttc tctctagcac agtccaagct ttctcataag tcctaaatga aatttcaagc 300
tagtattaac tcactttaac ctccatttac cacagaattc agacttagcc ttccaaccct 360
caaagtctca ctctgtttcc actcataaca tcacattctc acttttctaac cctangttag 420
ttctaccctt tgtctctaac agatttgta 449

<210> 13957
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13957

nggtgctgag ctgagcttga ctagctgacc gagacgcggc agtttatcaa cacttttatt 60
agaaaagggt acaattggat ttgaagaatt tcataagcac aaatggagga aatggggtga 120
aacggatcgt aatacttcct ggttttacgt gatacgcttt actaaaatgg catacatgtc 180
ctaatttagt tttttcaacc attcattttg taaatccgat aagatatata agtttaatat 240
attctta 247

<210> 13958
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13958

atacatggct gaatgtagat ctgctactat agctagtcaa attggaaagc acctcacatc 60
atagcattgc acacgaaagc aaaataacta taatatataa ccaaagtacc aaacgggttt 120
ctaaactaga gaaacccagg cactaaatca tatacaagga ggaaaaacta ccagattagc 180
tgcaatggtc ccttttagttc aaactattac actatttgaa gtttaantna ctttcagcca 240

tgggcaagaa cacattcaaa caaagtantt caaatttgaa ctaaacaact acaatgaagc 300
 aagagtgcaa tcagattcac aaattattgg ttggaatcat acatataaat tacaagcaca 360
 cactagttac atatttcaaa ggtgaaaagt gaagagtaca gtgatatact acattattcc 420
 tgtaaaaat 429

<210> 13959
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13959

attccagccn ggattaaggg caagacaggn accttgtctg ggttggacng ggnccangga 60
 ngagaggatt gcccaacata attcccttga cacaagcca aaatggatga ttgggaacct 120
 tcttgcaaaa ctgttattgc ttgccccaat gtggacactc aagtggcaaa ttttaatggt 180
 catgtgatgc taaggctcag gattcattcc ctctatttta aatcacccca tgtttccaaa 240
 atatgttctt tatccattgt gcatcatcca gtccatttcg gcgtgcggga atatacagca 300
 ttcaccttag tgtagacaca ttttaaaatc gttatgacaa tgaatttttt caagaaaagt 360
 gaaatatctc tttcaaaagc tgtcgggttt aactgacaac tattttct 408

<210> 13960
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13960

.tgaaaaagtt ccttcgccgg tggtttcaaa attgatacag gccttttgaa tcaaaagtac 60
 aagaagatga gcttgagaca gacagtaggg attccagtga tgttctgtca tcatcaaact 120
 catttattat gttaactaaa gagcaaattg gagatnntga aaaattgctt tcaaagtgga 180
 acctgaatgt tcagattgca ggtacattat tcaatgggga gcgagatgat cggaanactg 240
 gtgatgcaaa gtacagtgat ctcaaggacc agtttgaaca ttggaaccac attgctcaga 300
 tttggaagca tcccacattg aacttgcagt tcaatatgaa actgcacagc aacttctggg 360
 tgatattc 368

<210> 13961
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13961

gggttttggc ctgatcattc tgagctgaac atnaacgngn ccnntctttt acgagatttc 60
tgcttcaaca cagcaaggct attgatggca aatccaagcc aactagcctt ctgtagcaca 120
tcttgatcat gcacccctctg ggaccaccga agcatccccc taaaaacccg taaaaccctt 180
gatattggca caactgccaa cccgcagatc ctaagccttc tagatttgag aaaaagtaga 240
cacttgacta caaaggtgct atcc 264

<210> 13962
<211> 116
<212> DNA
<213> Glycine max

<400> 13962

tgctagaaaa aatttgacat ttgaaatcgc tagtggtgga aacttgaaca tacgaactta 60
cataaattac tgggaagtgg tcactacggt ttttggacct gaatttctac ttgaat 116

<210> 13963
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13963

nggggctggtg ancctgatnc ctncatgtag tctnatgant catttgagna cccngatct 60
tcanaaagaa cctgcagctt ccaacctggc cttaccttcg gattccaagg ttctatangt 120
gtccgcgcgg cctaacctgg accatgaacg ctatggtggc aaggccgtcg gccttctgat 180
tttcctctct aggattgtga tgaaaggata tgtcttcaag gaatcctatc acctccttga 240
tgtaagcctg gtaaggcacc aatttatggt ctctggtctc ccattcaccc ttcaactggg 300
gaattaccaa ggccgagtc ccttatacct ggaccaactt gaccttgaag cgaatggctg 360
cttggatccc anggcacatg ccttatactc nctatgtcgt tatgcagttg aaaccacct 420

accggtgaaa gtatatatng tcgtctggga aaccatactg cccactcca tggctantgc 480
 atanacgtgc gtcan 495

<210> 13964
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13964

ggcatagtcg gtcagtgaga ttctgtgatg tacctaaaca ggcgagctcc tggcagtcaa 60
 cagataaaag gaacanagac cacanaagcaa ggaggcttgt ggtggctggc cagctgtgaa 120
 atttgtgtga tatgtggatt atggcctctg gtaatcgatt accaaagggtg ggtaatcgat 180
 tacaanggct taaaatgaag acaggaggct aagatggctt ctggtaatcg attaccactg 240
 ggtgtaatca atta 254

<210> 13965
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 13965

tgaccaaggc tggctcagcg tttgaagacc ctccgctttt gacagattaa tactattaaa 60
 aatggggctg ttaaaaagaa ctatgctagc agttactgat aagaaagtac aggtatgctt 120
 tacctacttg ctctaaaccg atggcgccct gtcacctaaa gctcgctcat gggctgcgta 180
 tgaaaggcaa taatagtgtg tatgtgtaca ctttctatga cagcgagttg ggaactctgt 240
 gcttcac 247

<210> 13966
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13966

ctcaattaaa tttctggctt cagcaagagt catgtatcga aaggctccac cactggcagc 60
 atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg 120

ttctgaaatc tgatggtggg ggcaactggc acatagtttt ttaaatacgct ccagactc 180
 atacaggctc tctccactga gttgtctaata acctgagata tctttcctga tggctgtggt 240
 cctggaagca aagaaaantt tttctaaca tactctctta aagtcacccc acctcgtgat 300
 ggaccttgga caaggtaata c 321

<210> 13967
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 13967
 ggcgaactag cttgagcgta tcatgaactg aacaaggcga ggagcgggat tagagagacc 60
 ttccctgagg caagaagggg aacacaaacg cccaaaggaa ggacggaaca agcagaggag 120
 ccagaggaca cagcaaccca aggaggccgg ggcccaggac aaagaagaga cgaaggcagc 180
 caacagagaa aagagaggaa cccacaccag gggacaaaca cgacaaacaa aaaaagggaa 240
 ccaggaacac gaaaaagaag aggcaacaag g 271

<210> 13968
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13968
 nccccgaaa ctgnnnagnn tactnantna gcaaaanncg aaaaggaang aggcgggctt 60
 agaaggagag aagaaanatt aantttctcc ataaccggc cacaccgaga gggttgttaa 120
 tagatacaag cgtccaccac aacaacaacn ctaaaatgat catgcaacag aaactacggc 180
 ttgctgagac tgtagtatcc tcatcaacta tgctctattc tgtgtacgta aaacccatca 240
 gatatccgac agagggtgctt tttataaacg aatctcccag ttcaaagagc atgttacatt 300
 ttccatgggg accaagacac ccgacaacgg gtgctgctgt tgccaagatc tcacgaccaa 360
 atagaccatt gatcatatta gttattgtgg acgtcactat aactcgagcc acctgaacag 420
 ctgtcaacga ggtggatgca caaagaatcc ctttgtgagg taaagctctt a 471

<210> 13969

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

ngggacgtgg caaatgatnc ccattgnagn tcnnatgatc tatggagcnc agnggaaatc 60
 atctaggacc nnnnannncnc taannncnct tncggcaggc ancangattt ttaacngagc 120
 cggcgggcca aacacgcacg tggatctcta ttgagaaaat gacagctgac ctctgaatct 180
 catcgataga gatgcgacga aatacttgag tgactcaaga acaccctgac tgtatgaaat 240
 gaccctcgca acgtaccagt gtagccctcg ccggacacac tgaacccttc ctcccgctgca 300
 tcatcaacgt cgctctctac gaccactatg ccagacaagc cattgctgcc catagtgtgc 360
 tggaggccat agctcccgcc tatgcatcca tatgaaggat tgtcgaccta cccagccttc 420
 acgaggagag ctatcacctc ggttgagta cctaactctgg acaccgcccg ggagtagcgt 480
 atacctcctc cagc 494

<210> 13972
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13972

ccatatgaag cttagacacc tctacacaca naccgagctg cagccggccg cgagacggag 60
 gagatttcgt gttcccacag caaccgcga tggaagcacg gacacaaccc aaagcgagag 120
 agcgctcac tcggaaaacc tggaggaaga cgacctcgc agaccttgat acaaggggga 180
 agatgttcaa gctgaaaaaa gacggagcat aagagggggc accaattccc gggagaggaa 240
 accgcctgga atgagccgaa caatgagctc aagaccacac cgccgcgtcc catcaaaacg 300
 agggcccgga acattccgga tagtatcaga acaagctatt caccaccgcc tgagagggga 360
 cactgaacct ctag 374

<210> 13973
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13973

aggggcgggg gtttgatncc ctttgagggt caatgatcta ctganccctg gannatccag 60
 cnaggtcccg ggatccttag agncgacttg aggcaggcaa gcgaggtaa tataatgcgc 120

ccgaaccaaa cgnngggacgc gggacggatg acganatcac accccccact gtcggccgtg 180
 tgacaggaaa gaaccataag aagctctcga caacgtacgc attgaaacct tgggcgtatc 240
 gacccagtat gcgcacaaa tctgtaggat cgtgtgacaa cttagactc ccaattatgt 300
 acccacacgg tggaagatgt gcaggaataa ctcgagacga cctgtggtgg aaaaagaacc 360
 atactttcat cccgaggcat ccacctttga ccaaatacga gtttgggacg ggaacaaaaa 420
 aggttgga gcttatacaa ctcgagcgaa tggcgccgct ccacgaggtg ctcaaaaacg 480
 ggcaacggtg ggcg 494

<210> 13974
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13974

ccagacaact cgcanncant gcacaccnaa nccnaagact ccggccgng agncagagag 60
 gagagagaga gtgtatatattt attatcaaca agcaccccc gagagcgtgt ggctgatcag 120
 ttgaacagag actccaatgc aatgcgccta gatcgagctt gcgacctcaa acttgagaat 180
 acgaagatca tgggcccctt ctttcgcata ccaagaccgg tgacttaaaa gattggcgga 240
 agaacgacta ccggaggcta aggaaggctc ttggaactat ataccaatgg gatgtgtgca 300
 aaaacctggc tgagaatacg tgtctcgagg accaagtagc ctttattgag ccaagtccac 360
 cctctgttga cagtgcacta ccgaactgga gctatagtgt gctcctgcga agacttataa 420
 tcccttaccg atatcgtgtc cgactcttta atattcaaga ctcggcagaa tggaacgcga 480
 cttggtgg 488

<210> 13975
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 13975

agctagcctt ttgcaagtgc catttgcccc atgtaatgaa ctacatttcc actatcagtg 60
 ggtcctaagg agatggagga aagtgtttct acaagagatt gttgcaatgc ttccaagcct 120

tgagataaag catcctcagc ctgctgggaa gactgttgca gattataaat tcccatcaac 180
 tgctgatctg ttaatggctc aagggtgggtc ttgatgatct gaactccaaa agacgagaaa 240
 tgagtcaaca acaaactata tacacaagtg aagttactag aaaatggaag tacttaattg 300
 gcaatcacct tgagaagttc ggatgaacgg aatccaccaa gccacataaa acatctttcc 360
 acaggtgtct tccacatccc attatgtatg tgtaatacat ca 402

<210> 13976
 <211> 95
 <212> DNA
 <213> Glycine max
 <400> 13976

ccttgaaata tacatatgtc ttcttctaag acttgcaaact caacttcaat caaatcccat 60
 gcaccaaacc catgttatcc atgacattca acacc 95

<210> 13977
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13977

ctntgatata agcagncccg ggtatatgga ttggcaatgg aataaagcct ttgatgtagt 60
 tctcaaagtt tcctaaaatc tcagagacta gtggatcatc tggattaata ttcagtatgc 120
 gcttcatcat aacattaatg ggaaactgtt tcaattgaaa gaaaaataaa tatcatgtgt 180
 ttgaaattga caagcaatct ctttcttagc aaaaactcta aaaagttgga aaaagtgggt 240
 atttctccaa cataagttga actaaatgca tattcaattc ttaaaatagc attatatata 300
 tagttcttct atttcattgt ctgcaaaata ctataagagt agaagaagga atccctttga 360
 aacactgagt agagacaaat tagcaaattg atggcaccat accct 405

<210> 13978
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13978

gacacctgat actcagcttg agaatggcta gacatgaaca tgtattgggtt ggtttggttc 60
aagataaaaag ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga 120
aacttttatgc aaaactgggtc atgcatgcac ctatgtggac actcaagtgt caaatttttt 180
atgggtcatgt gatgctaagg ctcaagactc atttcctcta ttttaaatac acccaatgtt 240
tccaaaatat gttcttttat ccatttgtgc attcatccga gtccatttcg ggcgtccggg 300
gaaatttcac agcattcacc cttcaggtgt agacacattt tccaaaaatt ggttatgatc 360
aatgaatttt tttcaaagaa aagtgggaag tcatctcttt tcaaaagcat gtcgattntt 420
tagctagaca acttattttt ctctttttcc catttttttc ttac 464

<210> 13979
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13979

tttancttan antccaccag catcaaggaa tgagggcggtg tgatggaacc tctccaaatg 60
caagctttcg gcaagactta tggaaagatc ttagaattga ccttagcaga ggtatccata 120
gaagccattg catcactcac ccaatactac gaccagcctt tgagatgctt cacattcgga 180
gacttccaat tagtaccaac cattgaagaa tttgaggaaa ttctaggatg tctctcgggn 240
ggaagagaac catatctttc atccgggtgt ctccctctt tgagcagaat tgcaactgtg 300
gtcaaggatt cagcaagagg tttggacagc ataaaacaga ctcggaacgg catggcgggc 360
ctaccac 367

<210> 13980
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13980

tgtaagaatt tgtgatagt attntgccgt agatgttgat gttttanaag tactaccgga 60
tttgtatttt ttatgggtga ttgtgttttt acatggagtt ctaagaagca agacattgtg 120
acacttttta cttgtgaagc cgagtatgta gctgcaactt cttgcacatg tcatgccatt 180

ccagagagta aaacactttg gtaaaaaatt tgggtgaaaac ttcattgtcct actcaatggt 360
 ttgaaaaagt tnttagtact tatcttgatt gagtcttctc ttgattcttg aatcttgagt 420
 cttgaatctt gatcttgatt c 441

<210> 13983
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13983

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 aggagccaac nnggtgtgag agacaaactt angcccagcc ggaaacacag gggcccaggg 120
 aagccgcca aaggccaag cnaggagaac gaaancccg gcacnaacaa ggcaacgcga 180
 gcnaacgaaa nnaacacaaa caagcacgga cccaacaaga gacaagaaag ccnncngca 240
 acanacaacc anggccagga gaacaaccna ngaagnggaa ccagaaagac aaccccccaa 300
 gagcncnaa ccgggcanag gcggcaccag gacagagcca canccgcaag acgccaccan 360
 gggggcaaca cccaaggaa ccnngaccag gacagggacg gcaaggcgca aaacacgccn 420
 caacaccnag ccagggganc ncngag 446

<210> 13984
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13984

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 taaccaagct tgaccaatcc cgacccaacc cggcatagtc agtcagtgtg aacctgtgat 120
 gtacctaaac aagcgagctc ctggcagtca acagataaaa tgaacaagga ccacaaagca 180
 ttgaggcttg tgtggtggct ggccagctgt gaatcttggtg tgatatatgg gttatggcct 240
 ctggtaatcg attaccaagg gtgggtaatc gattacaagg cctaaagatg aagacaggag 300
 gctaagatgg tctcttgga tccattacca cggggtgtaa tcgattacca ggctt 355

<210> 13985

<211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13985

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 gancctctgg agccaacctg aggctggcag gctggacttg gcgataggan anaagcctan 120
 nattacatct taagaataag ccaatggagt taggatggag aattcccaca gagacaaggt 180
 ccgatggatt ttggtgcttc atttaactan agaatatatt cttttatcat aatataataa 240
 tgtaacctct tttttttaat ttccaacgcg gttatggccc gaccaaacgg tgggaatcct 300
 ttttaccaaa aattaacgaa tactacaatt caaatgatcg gtggatatgt attttttaga 360
 ttaggcgcga attgacttaa ataatggacg gaagcacgtc aaaaggtggt caagaggaaa 420
 tgaaacgaga ttaaagttcc caaaaaaatg tggacaccac gggtcaggaa tgattgaaaa 480
 cttgttcgaa actaccgt 499

<210> 13986
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 13986

caatcatact tccactgttg ccacaggttt gggtaaattt ctggtatgct gtgggaacca 60
 attccaaatt taattttgga aactatatct tttgatcaaa ctgttaagca ttcagaatct 120
 tttgctatca aattacccat tgccttcctt actgtattgt gtggcattat gttcagtcag 180
 catcccaata tgttaaacta cactgactct gtgatgaaga gagaatctcc tctatccctg 240
 cattacaaac tgggtgaagg gacacatgtc ccagacattg tctcgacatc tgtctcgaca 300
 tcag 304

<210> 13987
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13987

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gacctctaaa gccaacctgc agccttccag ctctggattc gttatatcca ggagagttca 120
cataattatc tccacacgga ccaccacttc cacagtggcc aagggttcctt ggaagatcct 180
ganacccttc ttgaaggacc ctccaagggtg agatatgtcc aatggcacct ttggcctcca 240
aaattcgaaa ttctgaagat gaaggaggag aagggtttcc ttgacttcca catgaccatc 300
cttgaaatgg ccattgctgg ccttgccctgg ggagaaagga tgacagatga naagctgggtg 360
agaagatcct cagatctttg ccttagagat ttgacttgaa agtcactgca ttagaggagg 420
cccaagactt ttgcaacatg agagtagatg aactcattgg gtccttcaaa ccttgaccta 480
ggactctcgg atagactgan aaaagagca 509

<210> 13988
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13988

aatcaaacca catgttgatt taagttatat aaaatatnt taatttaact acatgtcttt 60
aaatttaaata cttaaataata taatcatatt aaatathtag agaaagaaat ttaccgtgta 120
taataactct atcgtctatg attttaattc acaaaagatt tcaatcctaa gagcaactta 180
atagaaatac actacactac ccaaataatac atgggtggtat ctagctcgac agatatttat 240
caaaataata ataatacatg tcgtcttaata cttagattat tattgattat gtaggctcta 300
gcttctctta anttttttcc tatcatgcat gtntcctttg ttgggtggtg tggtggtggt 360
attattatta ttattattat tattatcata gattatg 397

<210> 13989
<211> 148
<212> DNA
<213> Glycine max

<400> 13989

ctatcattgt tattatttct ttcttcatca ttaagggaac cacttgggct gccagatcct 60
tccacctttg gatgtattct ttaaaagatc cgtgccccct tttttacatg tttttagatt 120
gcacccatc cgaagacatt atactgac 148

<210> 13990
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13990

gtttgggaaa taagtgtggg ggttttgttc tttgacaaac ttgtttgtgg ctatgcttca 60
 tgatgtattn tggccatact tgatatacat tgtatatngg gttaaatggt ggacatgctg 120
 aatgaaatgt tgtttctcaa aagctataga agtaaaaaaa aaaaatttcg aaaaaaaaag 180
 aaaaag 186

<210> 13991
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13991

aggaactgtg aaaactgtat gcttttagac gacnctgat ctttgagnnc ntgggatnca 60
 cccggaccgg ggacgcaaag ncattttgag catgcaacca ttcattaaga gcaataaana 120
 aacgggtcaaa tggggggaac ttctatcagc cgaacattat ctcattacag ataaggccca 180
 caaatgcac atgtcaggga acttaacaaa gctcattggt caaaacgcta tccctgaaag 240
 ttgtatatca ctcttataga gaactgcata aaacgaccaa agatataaat ttttctact 300
 atttaaccat ttacagggtt tgaaatagaa aaaacttata tgtggctctt tagacgattc 360
 tgggtgctgtt ccgtcataag atttgcacgt tcacctcaat gattctcata ataaatgggt 420
 actttaaaagg ttctctag 438

<210> 13992
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13992

gctatctana tcgggggatga acaaaaaaac ctgtttatat tatgtttact ccaaccaa 60

gcgtagattg caaattgcc a gtccctcaac tcatgcaaag atggaaatac agatattaca 120
 ttcttttaaat tgcattcaac aaacacaaaac gcacatatat acgtggaaca attaataataa 180
 tttgaatatt gaatacataa atactatttt tatgatgatt aataacttgc cttgtgacaa 240
 tatatactac aaccagctg tgtaatatat cgcaaaaatg cttgatgact cttcttctc 300
 tctgttcaca tactgcaaaa attcgttgaa taccctata ctagctgatt tagacaacat 360
 ctttcccatg ggatccaagc aagtgtagc tcttagacag aa 402

<210> 13993
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13993

tgagatgtgn nnntttgaan ccccttttna gaggncaaat ganngcnnat cgatantcat 60
 tcgagaancc acgcnnccgt acccggggat accncnnaga gncgatcttg caggcattgc 120
 anacntnngg tttgtnnngn gttgtaatgc aatnnaaagg nnaaccgaga caccaaagag 180
 caagaaaaaa taaagtggcc atatannggc ctacaggacg gtctttggga attggatacc 240
 ataccaaaac aattttgttg ggcccatnt tcatcacacc ctttcgttg ggaaatgggg 300
 ttaaccaa attttaatta tcaatttcaa tagacgggtn ntactcctag aattatgcca 360
 tacctgttt tctttatacc atgaaaaagt cacacatctc tgggatgtgt tcaaaaacat 420
 ttaaaagttg aaagttgaaa aatcaaaactc aacaaaaaag aaataaagtg tgtcaaaatc 480
 tgacnctggg tgggtaatac tatggcaa atgacggttc aggtgaacaa cgtctggggg 540
 ctttttccag gtacctagag gaatgtggaa tcgtccaca gtacaccttg ccgggggtcac 600
 ctagcat 607

<210> 13994
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13994

tatgggtag aagtaaataa aaaacatgtt gtctgaccat attcactttt aatngactga 60

cactcaattt cttttttggt gctatcttta ttgctctgaa gaaaatgttt tgttttattt 120
 gattgggtcc tattttaact gactgcacat ttttggtaac ttgacaattg gtgcctttgt 180
 gatgtcttgt cattttgatt tattaattta cctatgaatt taactttctc atatgaatat 240
 ttctacaatg ttcagagttc tttagtagtt ttctattgac aactaatct gttactgctt 300
 aatggcgtgt atatatatat tttatatata atgaggaaat acctttcccc aaaatgtgag 360
 gtttcgaagt tcaaattcac tctgagccat ttactgatat gatgagaaaa tagacaatat 420
 atatgtgcaa acaaaaaaat atgcttctga 450

<210> 13995
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13995

gggcgtgatt ttgagccttt tgnagtcata tgatnttttg anancnccga annnanaagn 60
 gaccagaggt ttgaagcngg atttttctat tcaagcagnt taccttacag cgacagaccg 120
 aacaacaggg gccctgaggg caacgacgca cggcacaacc agaaaaccaa aacgaaaaac 180
 caccaagaga agacgcacca acgcacgatt gcccacaaaa ncgacaaaaca gaagaagaag 240
 gaggaagaga nggaccanga caaccacacg aacactcccc aaaangccga cgcngcact 300
 gccacgggag aaaggacgac agangaacca ccgggggacaa agagccccag agcccagcca 360
 agagaagggg cccgaaggca cggccacaga gagggcccacc acacngaac acgagaacaa 420
 gaaccagtc gcccgccgac cgccgagcag gaaccgggaa ggactgaaaa aacacgac 478

<210> 13996
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13996

gcggtaagct tgtattgcac ncttcaacca acccagcggg tgctggcgna gagggggggg 60
 gggtagcttt tacnggncca ccacgggggg gtgagatgaa gtttcaatta atccctagat 120
 ttagagcaca aggtccgaga taaaacccta tgcttgtgac tctgttcacg ctaagatcat 180

cctgtaacac gtgcagaaca ccttcactcc caatatactg gggatcagcg cacagaatgt 240
 tacaccggga gacatggcgc tatctgaata tatgatatgt aggctgcgcg ctaagatctc 300
 tatatgcagc tcctcttgtg gggggcgggg ttatacctat gtatgagatc tgtgtgaggc 360
 ttgcgacgcg cttatatcca taaggc 386

<210> 13997
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13997

aggcgcgtaa antttgaaac ccctggagag gccaatgatg cgttgtancc ctggacannt 60
 ccacacgnac ccgagatccc tagagtcgat tgctggcgtg caagcagagt ttaataacat 120
 tgcaacaaga gnccacagga gcacggacga ccacgctggc tcaactaata caganacacc 180
 ctccatagag cactcctaca cagcaggcat atccgactga cacacacgtc tgccacgaca 240
 tctagcctgt gccacactgt cgattacacg tcatacgaac tactccacgg aactacctgc 300
 tatactcacc gactacatat tcttactcga acggaagact ccttagaaca tgggagctac 360
 atcctgtcaa atgcgcctc aacaccagaa tgagaagtac cggacctcac tcagccacgg 420
 aatcctgatg tgcaaggaga caactcatgt gagacctcaa gcgttgacaa agacacttgt 480
 cggaggaaaa taaaacatgg 500

<210> 13998
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13998

gcagcaggtc angagttcac tcatacaccn anaccnagac ctagctgggc aaaacaaggc 60
 aggagattta ggcttataat tgtcgctaaa aacgagcggg cgttaaatgt aaagcataac 120
 tatatcttgc tattaaatac tcagagagag agatgtacac gagcataata actctatcgt 180
 ctatgattaa aatccacaaa acatatcaat cctaacagca actcattaga aatacactac 240
 acttcccaga tatacatggg ggcacgcagc tcgacagatc tttagtcaag ataataata 300

atcacatgtg	cgctcttatgt	cgttagagtg	attgactgat	tatcgtaggg	ctctacgctt	360
gctctaagtt	ctcacctatc	gagcatgtat	gcttagccgt	ggtgctgatg	cagccctatt	420
atgactataa	tgataacgca	catacagtat	ggaggcccta	gctagatgcc	atttgtatgt	480
ggagatatag	gacan					495

<210>	13999
<211>	517
<212>	DNA
<213>	Glycine max

aaacgtgaaa	tgtncctttg	nactccggcg	attccattga	tancecgcan	acnchnaactc	60
gaaccggaga	ttctctacat	cacttttcattg	catgcacact	ntanttaaga	caaagagatn	120
aaagaaatcc	aagatggatg	atcaagacag	nctctaaagt	cttataagag	gtatattaaa	180
tatgaacgga	actncaattg	aagtagcaaa	aggtttgcc	aagaattgta	agctaaaaag	240
tctttgtcaa	caaatgtact	ctctggtaat	cgattaccac	aggatgtaat	cgattaccag	300
tggcctaaac	tgattcacia	caggatttag	atattgaatt	caaagtttgg	aatgtgcaat	360
cgatcacaca	tatatggtat	tcgattacca	ccattctctg	aacctttaat	tttaaaattt	420
cgacccttgt	attggatcac	acacttacgt	gagttgtttg	cgcaagaagg	ttctcgagac	480
atthttgaacc	acgcattttct	ttttgtgtgt	tctattg			517

<210>	14000
<211>	326
<212>	DNA
<213>	Glycine max

agagagacca	atcacgagca	cattcntggt	tttgaagagg	agtnagctgc	ttgctcaagg	60
tccaaagcgt	ttatgcgaga	cagagaccaa	catgttagcc	atcgtcagca	agtaccaaga	120
agaactaaat	ctagccacag	cccacgagca	tagagtgctg	gacgagtatg	cccaagtgt	180
cacggaaaat	gaggctagag	gaagggtgat	cgactcgta	catcaagagg	caacaatgtg	240
gatggaccga	ttttctttta	ccttgaacgg	gagtcaagaa	ctgtcccaat	ttctagccaa	300

ggccaaagca atggcggaca cctact

326

<210> 14001
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14001

aggggggtgtg acnntttgaa nnccccctttt agnngnccgt tgttttcnnn ttgnnnccagc 60
ttgcanantc nnnccnnntn ngnnccnngn ncnccngggnn cctntttttt gcgcengcng 120
gcgttttttc tcctttcggn ctngcccgc ncnccggcgcc cggggggngt ntcggcggnn 180
cgcggcctgc ggcennctnt cggtcnnngc ntttccctgt ttgcggtcgc tttcnttctt 240
cccccccg nctgtnggct tctttgntgt ttctcctcnc ccttttctc tgntcctcgt 300
nctttgttcc ctctgnntgg ccctgcctc ccttgcctc gtctcgccc ttgttgcttg 360
tgtttgcttg ccttcgctgc ttgnnnntgg tccgtgtctc nttgccctcg tcntgtgggc 420
gcgcgtggct tcttgctct cgtctcgnct tcggcctggg gcctttgcn gcctctccgt 480
gggntcgcgn nggtgttct ctcttcttg cctgggtgcg gtgtgtgcg 529

<210> 14002
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14002

cttgctaaac caaaatctgc aacaactgct tcaaagtcct catttaacaa tatatnagca 60
gcttcgaaat cacgatgaat aatctttggg tcgcaatgat cgtgcaaata agcaagcccc 120
ttaacagtgg tggttgtgat tttagacgat ctacaaaaat acaatcaata tacataaaaa 180
catttttact tttaaaaaac atgtcgaaat ttaactacaa gaaattttta ttgcttttat 240
gctatttttag cataggagtt tatttgtatt ctgtttcgac tgcattaaat gagatactgt 300
tgttggtttt gtggaggaaa ttataaaaa gagaggagag aagagagaca ataagtatgc 360
agaggaaata gaattattct attctaaatt caattgttct caacaacgat acantaaata 420
tctaaagata actaat 436

<210> 14003
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14003

ctcccttgag tggcatttgt attggttgtt atcttgattg ttgcatctta gtacatttga 60
 tatctttttg gattgtgcat catcataatg catgtgaaga aaattttcta agttagaaaa 120
 atttcttcag aggcaaaaac tctaggttnt aataaattac aacctcgttt taatcaatta 180
 cagttacaac aagttgtctg aagcttgtag agttaagtct catatcggtt taatcgatta 240
 ttgatatctc ataatcaatt acactgttgt ttgaggcaat gactaattta gtcaggagtc 300
 tctgctttaa tcgattacca agtggattaa tcgattactt ttctcttggt caagtgttt 359

<210> 14004
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14004

tgctcttatn tacattgatg tttgtattta ttggatgagg ttgtatgcca ttctttgttt 60
 taagggtagc atttctgggt aaaactaact ttccaaatgt ttgcctttgc aggaaatggc 120
 cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcggccgaag gaactagttc 180
 cgctcctgag tatgacagtc accgcttttag gagcgctgta caccagcagc gcttcgaggc 240
 catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcagggacg acgaatatac 300
 tgatttccag gaggaaataa ggcgccagcg gtggacatca ctggttactc ccatggccaa 360
 gttcgatcca gaaatagtcc ttgagt 386

<210> 14005
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14005

gaggactact ggacttctac taaaccanng ggcgggnttt gggnnattta ttgngngggg 60

gggtggtgggn gattcgggtc gggatttggg tttctttnga cngaaccaac ttggtctcct 120
 gaaataaaac gcgaactatt ctccacaaga agaacgcgaa ctgccctcgt aagtaccgat 180
 gtacagaggc cggcaaagct ctgggagaaa aggat 215

<210> 14006
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14006

ncttagaccg atcgnagncg tctacattng cacncagctg cacttgagac annggnaaca 60
 gggagtgggg gaaggtgact ttccaattat anagangaca cgggggagga gagggaaaaa 120
 tcaaccacac caacaccccc cganaccaga gaggacgacc tncacgacgg aggnccgcgaa 180
 cgagcccaca ccaccgcaag gagcaaaaga cacagggaga ccccgacaca agacacagaa 240
 aacaacaaca agcacgaccg caaacaggca caggcggggg ccgaancagc agacgaccga 300
 aacccgatcc cgagtccaca gcggtcagag caaagacgag acgggacagg gcagaaccca 360
 tgaccaaaga ggcgactctt tgacacttga ctttcaatgg tattaatcca gtacatctgg 420
 tttaaacggt tacaatgtca aatcccaatg acattcaatc ctggtgtgtt gatcgacccg 480

<210> 14007
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14007

tggcagcctc tttttcaatg gaactaacct gggttatatn ccttggatag ccctttggag 60
 cgtggtttcc ctttcctggt ttggaacctc actacaagcc ttaagtgaaa aaccatgata 120
 ttacattatc cttaggggaat ttgggagctt tggaattggt tgggggataag tgtggggggg 180
 ttttgttcat tggacaactt gttttgtgac tatggctcat gatgtatttt gggcctactt 240
 gatgaacatt ggattttggt aaatgttggg catgctggat gaaatgttgt ttctcaaagg 300
 caaaaaaaaa aaaaaaaaaa aggcaataga gttgagtga taagatcttt aatggcacag 360
 gaatgatgaa actcttggcc tacccttcat ggtaagtnt aatcttactt ctttttctta 420

tttctaa

427

<210> 14008
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14008

taactcttga agaagttgtt tgatccagac taactcacia gtggttgtgg ccatagccct 60
acattttgct tctgcactag accgagcaac agtggtttgt tttttgctca tccaagagat 120
aatattacct caatggatac acaatatcca gtagtggacc ttctgtctat ggagcatcca 180
gtctttaact tgtcctcata taacaatcct tgtcctggag ccttctcaat gttcctgaga 240
atgcgaatca caaccttctg gtgatcaaca tgaggagctt acatgaatng actaaccagt 300
cttctatatc tttctggatc tgagtatgga tcaccttggc ctgccattaa cttttgattt 360
ggatctatag gaatattaac ggggtcaacag ttagtcatgt ctggttcttc ttaaatatca 420
agagcatact nntctttgaa gactatatg 449

<210> 14009
<211> 251
<212> DNA
<213> Glycine max

<400> 14009

gaaatgacct ggaacgtgac tagctgaaca gagcagggcg gacttagacg gagtctatac 60
gggaaagggc catgtgaagg ggagacagag acttatataa ttttgatgcc acacgaggta 120
aatgaactaa aaagggagca cctgataaaa caccttaata tgaacaagtg gacgcatagc 180
acaccgata atgaattatc tcagtgtggc aacataagat ttgtgtagcg agtacaacgt 240
ttgagagaag a 251

<210> 14010
<211> 245
<212> DNA
<213> Glycine max

<400> 14010

tcatacggac gggggcatgt tagaatacct ttccaggctc aaaaagtgca agaatgatt 60
 ggtgtttctg cgtatttctg gaaatgcgat gaactccctg agcgagcatg tcgcgcataa 120
 ctagttcatc aggacttatt gaatacatgc tgttgcgaaa gaactcgta cagagccta 180
 ccttgctaag taagtgcac ttttaaggat gaacactcat gctcttgctg agatgtaagt 240
 ggcta 245

<210> 14011
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14011

gaatgactga ggcactgactg aactgccaag acggcgacng ttgagaaaat tccggatccc 60
 aggcttatac caaccaatcc cattaaaatt ataaatatag ttattgactt aactacaaca 120
 tgcggggaat gacaaatctt accggtaaaa ttctacgtag gaagtgaaaa ccaatgaaaa 180
 agaaaattgc tatctaagga tggccctttt ctgccattaa agtatgtagt gcac 234

<210> 14012
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14012

gaccaatgga aaacgtgaat gccggaatta ccatagacta cattcaccaa aaaaaaaccc 60
 ttaagggtcca taccctcgcc ttctaaaaag catgcttctt tcttttttgc cgaaatagaa 120
 attgttgtca cctaattctaa aaccaccatc ctctcgaacc tcatgattgt ggtttgtgga 180
 taacattaat ggtgagtcta ccgagggttg gtggaaatga aagagccaat tgtgagaagt 240
 gaaaaaacat ataanaggga aagtgcacac aaaatgatgg gttcagaata tcaatagaac 300
 tcattacaat ctctcataag ttgatagata agggatcctg agaaaacg 348

<210> 14013
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14013

ctctgattct gcttgctgat gagaagaaaa agctttgggtt aaaataaaaa ggttcccttt 60
ttcatattta ttcagcttgc catgtcctat tgatgagcaa aggccactn ttcttttact 120
gtgacctact cagccaaagt gaaaaactga cttgaaacct aaatctgctc 170

<210> 14014
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14014

actgggcgtg tgcataaatg gcagattctc tntcagattc ttccaactcg ctaagcgagt 60
tgagtgcctt gcttagcgga tgttacttgc taagcgcata tgccctcgctt agcgagacac 120
cagctacttc aaccttcttc ttcttcatcc tttagcctga aactgaagtt gaaccacatt 180
aattcacaat attgggaata tctactgagt gaaatgggac taaacataaa tatgt 235

<210> 14015
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14015

gggcgttacc tgatcctttg gagcatttat cgctgaacct ggaaaccac cggaccggga 60
tccaagcga ttgaggcagc aaccgggttan tcagagaggg cccacaacag ggacccccgg 120
cntggncaaa cccaccaga aaaanaaaaa gcctttctaa caaaaattaa gatgaccgaa 180
atatataaag ttaacttaga ttagagatca ataactatca gacagattta aaaatcctcc 240
aaaaagtaat gataccctac actctaggtt ggaaatagat ccacgcccta tgagataaat 300
aataatattc cctatattct tttttttcga ctatatacctt cgtcatataa tatcatgaaa 360
gaaaattatc caaaaatgta tttagtttta aataaataat tatttct 407

<210> 14016
<211> 458
<212> DNA
<213> Glycine max

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

cacattatca atcgcatatc gcttatttag acctcagatt attgtcatca tcaaaaaggg 180
 ggagatcgct caagcatata tgatatgaca gtatgatgat accaaagatg agcgtgattc 240
 atgtcaacaa ttcgtagatc cacagaagaa cgatgtcctt agttgactag atcttataca 300
 gaattcctta tgagatgccg cacaagtacg gctaa 335

<210> 14019
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 14019

ttccaacctc cttttcttgt tagaatatca atggttggac aagtggcctc aaatatctta 60
 ggaagggggg ttgaattaaa atatcacaat ctttccttat tcaaaagttc tattttgatt 120
 ttaaaccaaa aacccaagat ggctttcaaa atgacctcct aaataataat gcaaattaat 180
 cttactgatt agaattatta agaattaaac attaaagaag tttaaggga gaaagattgc 240
 aaactcagat ttatactggg tcggcacacc ctgtgtaaaa tttgaatcaa atttctaaat 300
 agctgtataa tcattttgcc actacatcga ttaccgagag taatctcttg aaaaagtttt 360
 gacaaaactc ttaaaaatga gagaatgatg 390

<210> 14020
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14020

tgectcanag agatctagga aggataaagc ggctgattga actttttccg ctcccgaata 60
 tgacagcgcc cgtttttagga gtgctgaaca ccaccagcgc ttcgaggcca tcaagggatg 120
 gtcattttctc cgggagcgac gcgtccagct cagggacgac gagtataccg acttcagga 180
 ggagatagtt cgccggcggt ggacatcact ggttaccccc atggccaagt tcgaccaga 240
 cgtagtcctc aagttttatg cgaatgcttg gcctatagag gaggacgtgc gagatatgcg 300
 atcctaggtg aggggtcagt ggaatnctgt cgatgtggag gctctcagcc agttcctgcg 360
 atacccttta gtgctagagg atggccagga atgtgagtat 400

<210> 14021
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 14021

gtcattaccc tgagctttac tgaacttgaa caccgccggt ttagcatgag agcgcgttgt 60
 atgacgggga agcagttgct ctggatctga ctatgaggac actggagggg tatccattta 120
 ttgaaatggt gctatcttac gactatcaat attgtccaat ctctctatat agaagtaggc 180
 aacttttttt cgtctcagga cctaaattaa atcatagatg agccaggtgc tttttaacct 240
 ttacatcgac atgctacacg gactgagcgt cagcattt 278

<210> 14022
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 14022

caccatggag acgcagcga atacaaacga taagaggtga gaggaggcgc catccactat 60
 ggaataagcc atggaacaag gagcttcacc accaagatga tccttgagga ggatgcttca 120
 ctggaggaca agaaagacgg atagatagac agagggggga gcacgaaatt gaatgaacac 180
 aaaggggtgat aagttgaact tcgacctgtg tctcacaaga ctctcattca tcaaacgtac 240
 taacagtgtt acacatgctt ctatttatag actaagtagc ttccttgaga tgcttacttg 300
 ag 302

<210> 14023
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14023

tttgatgcat gcaagctagt tttagatggt atggaatata tgctgaggct tcgcaacatg 60
 aacctgcat actcatggta acgaatttgt tcttcactga gggcatttac aatggcagca 120
 ccctcagcat tcttgggagg aaccctatgt tgcagagtgt taaagaaatg ccaattgttg 180
 ggggtagtgg gatcttcaaa tatgcaaggg gttcttctgt gcttaagaca catgtgcatg 240

atgctaaagc tgggtgttgca attgtcgaat acaacgtgtc tgtcctgcat gtttgagtga 300
aataggttga agttgctctt tataatatan gtttngtttg gaaggtgagt ttgaatcttt 360
ctcttctaatt ttaagtccat tcgtctt 397

<210> 14024
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14024

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gcttattcct cannggatgg ctctcctct cactcttct cctttgtctt tcgtgcatc 120
tccatggtgg aaaatcacca ttgaaggacc tcattgaagc tcacagatcc agcctccata 180
gaagctccta accccactac cacttcttca aatacgagtt ctattaaatg ttttaagtgt 240
ttgggaaatg gtcatatctc ctcccaatgt cctaacaaca ggactatggg tgtgtgtgta 300
atgggatatc actagcacat attcttctag tccttctagg aaactgatga caaacc 356

<210> 14025
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14025

angaccaaga gaangaaggg ncatcatgct cagagctgga gggcctcttc cttgatactg 60
accatgtctt anacttcgta cttgatctgt aattccacc gtatatgttc ttcgatctgt 120
tgcgctgga gagaaaacct tattgctaga ggttcctga cttcgatagg gatcgtggca 180
tatgtgttcg ttgtaaggcg cagaggggtc accttagtca ttggctgatg tgaacaatga 240
tgagcatcaa gtatatgga ggagtgttc ttggacaaac cttcgactt gtaagatctc 300
gtgcggagcg ctgtaaagat aaacttgta gttgcctcta cttggccagt ttgctgggga 360
tgttcagaaa aagtcacaag gtgctagaca ccg 393

<210> 14026
<211> 661

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14026

 cgcatctctc ccnnnnnnna aggggcnaag gcnaacgatg gggccgnttg ccagnttnnc 60
 tnctagcnat tnnacgagac actccagnta atactcaagc ctnttatatg ccgcaagtag 120
 atagaaagtt gctatatagn tagtatccat gttgacgtan ngccacatac cagtgtgtgt 180
 gcctgaacgc anncggtaaa cccattcatg tacttttcnn tctctntctc tcgtatctat 240
 ctattcctct ttatctttta attcatatcc tattacctac accaacgtca tccttcgtcg 300
 cgatcgagat annatacgta ngaacaccat agtgcgatag ggaccttcac aagtnacac 360
 gaatacgntc tacaacgaga agaattcgtg cgcgtagatn attattaaga tatgtgcagg 420
 ccatagaata atgaaacttt cactcaanac caatgataga atcaatagcc atntacctga 480
 gtcaccttca cacaaatatg agacattatt tcgggatgat attggagaat ttacacggct 540
 cgatccaaca tagttcatgt gatccaaagt gtgcatatga tgccttact aatatgatag 600
 atagaaagcc acaccatcgt ataatgtagt tcttagacgt taaatgatca ctgcaatacc 660
 n 661

<210> 14027
 <211> 390
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14027

 taagcttatt ccgatatggg ctcaaaacgg cagcaggtat cttcagtttc tgagtaagtg 60
 gtctccatgg tttgttcac c aattcagttg gctgaacaaa atcatcctct ttttcatttc 120
 caaaaccacc ttcttttggc catatagcat tgccatagcc ataggttccc tttgttcaaa 180
 gagccaccta ttatgatcaa aatctccagt ttggctcctc accagtgtgt acttcgttga 240
 cttcatcatg gacaatctcc tctccattnt agacattcca cttggtggag gaagtagaag 300
 gggatgccca ttatctatag ccacttcac tagttctgtg ttctgatatg gtccttgca 360
 tctgngcat atcccacctn ctgttttact 390

<210> 14028
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 14028

atgaagtgcg tgagacaagt agttcaatta atgtttggtg atttacactc atgacaagga 60
 atatcaggac gtgagagtgt acgacaatca ttttcattca atgaaaccaa gctgcatcca 120
 ttctctggac aatacctcat tcgagtcaat cctcaaatta taaaaatata ggccttctat 180
 gcataaatgc ctgacaaaat gttgggtgat cgaataatac aagcatatat tctatctacc 240
 taagtagagt attaagcaaa taccacaagt ttttttgtgt tacagtttgg tgaaactcat 300
 tactttttatc aacaattttat tattttacgat atataaaaaat gtatgttgcc taaaaataa 360
 ttaacgctat gaataactta tga 383

<210> 14029
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 14029

agagttatga gcttgaacgt atcttgccctg accttggtg aggggccctt tttctaaatg 60
 gaatggggaa aaagcacctc taatcaacct aattggaaaa tgtccgagaa acaaccggcc 120
 tcatgtccac gtcggggatc cgaattacgc ttactttggt tcgcttaccg atcccatcac 180
 ttcatatttg cctatgctat gttacgttat tctcttctcc gcccttgctg tacatctagc 240
 attttccatc aataaaatcc gcttgagctc ttg 273

<210> 14030
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14030

acattcttgt gctttctttg tggaaaatac acattgctc aaactcatga aaaggaacac 60
 aaactccatc acaatcatga attcaattca naataaagac atacgccccca ttttcacana 120
 aattaaaaat aaaaaaataa aagtgtnta ctgccatgct atagaaaaca agtcaaacta 180

ttcaaaatgc ttcaggatga gcaaactaac tactaataaa taaaactagt agtgtatgta 240
gacataaagg aaatattgta ctaaaaccat aattataata ataaaccana aggcaaaaag 300
tatcaccaag aatcaacaat gtcaacagtg tctaaaccgg ggaatcagtg agagcaac 358

<210> 14031
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14031

tggatgannn ttgaaagctt ggaagacagt gattcattga gaccgaggat ctatgagncg 60
acctgaggca tcaacctgta tgtaagtct aacaatttta tcggcctggt gcaccaatgg 120
taaggggagg taatacaaga catcttgcca aacaaagtca ggtagcgat aactcgcatg 180
gtgctttttt ccttccatgg cctatattgt agcanaagtc atttgatcca gctcaagggt 240
tgatgaagtt tgaaaaatga tgccggaatt tatacttggt cacagttgga gatgttattt 300
tctccctgct ttctttgaca tgatgattca cttgattgct catctgggca gaaaaatcaa 360
atgttgggtg ctgttatcta cggtggtgtg accccttgac cgaacatgga catcttaaac 420
ggtttgcaag aatctatata tccagaacct ctattgttga aagacattgc aaagaacct 480
gaattctttc aaaactg 497

<210> 14032
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14032

cattctccta acaaagtcga acatgccata actcaatcgt gctttttctt caatgtcata 60
tgtagcaaag accttgatcc tgccaagtta gatgagctag aaaatgaggc taccaataca 120
ttgtgtcgca tggagatgta ttacctcct gagttcttcg gcattgcggc acacttaatt 180
gttcatctgg tgagggaaat taaatgttat ggtcttgat atttgtggag gatgtaccg 240
attgaacaat actagaagat cttacaatgg tgtacaaaga atctacaccg ttntgaagca 300
tctattgtgc gaaggtaacat tgtacaataa actattgag 339

<210> 14033
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14033

atgcgcgact canaannttta gaaacccctg tgagaaagac gntttgannc catttgatna 60
 ccttttgnac anncaatcag ngnnncacag gagtgtggcg cgggnnccca tctagatgga 120
 ggggaggagg ttttnccnt tttttagccg gcacgacacg ggngacacag cggcttataa 180
 ttacctgatt atacagcact ctccctagatt gccctataaa tttatagtgg accgttaaaa 240
 aatatgagtt atataaaata catcaacacc cactattcgt tgcgacttaa ttaattatac 300
 gacaccaata ggaactcttc tatttaatag tcaactacag ataaacaaaa attccattgt 360
 gttgccacaa agacctgctc tcgaggattt tatgctacac atcttatttt cgttatcaac 420
 atcaccttgg gtacaaataa aatggatagc caatttcatt tcccctatct aaatttggtg 480
 gtaaattgagg ctccatcccg ctacaactca aaaccatata tcgatggccc 530

<210> 14034
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14034

cgcagatgga tattcgatgc tanagcnctc gaanaacacn caancnanan cacanggccn 60
 ncaccgcnag aggaggagag tgggacttat nttatgctat tctgaccanc acgccgagat 120
 acatgcacag aagaatgtac aacctacggc ttcttatcat ggtgacaatg aggctacatt 180
 cctcctgttc gagactcgcc atctccatat acatccctaa aattctaaca aaccagacac 240
 tgtattttatt cacgcaataa acaaaccttc tccttaccca ccatccatct atcacaacag 300
 ccatccctaa taaaccacac agtatcgcta ccgcactttc aatgacgaac atcaccttta 360
 acacaatcct aatacaccaa ccataaaatg atatgtgcag caagaaagcc tgtgtaattc 420
 accacaatac cagtgggtcta tgctgacttg ctccaatact actcgattat taaatgatgg 480
 ccgtacccta tccaagggtc ttgaactctc atatttt 517

<210> 14035
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14035

 aggaggtann tttgaacccg ttggaggcct tgatccatcg aaccctggaa cccaatannc 60
 actaagggtgg caggctaatt tagcagagag gccaacatat tctnccaatt tccatgggag 120
 gacaaaaggt cttccatggc acgcagggac ccaaggggaa aacacagaac cccctaattgc 180
 tccccataaa ataaaatgca actctggaag gcactactat tatggcagac gatggctatg 240
 ccggaaacca ctaatgactg cactctgggc atccatgcta cactaggaac atgtctgcag 300
 gatagtaacc aacgatcatt gaatcgctaa aaatatccca cttgtggggc ctcttttggg 360
 tacatgctat gaaggggaac ttcattttcaa atggagggtc ccaactaaag gacatgccaa 420
 cgatgttact tgaacatcgt atggaaagag g 451

<210> 14036
 <211> 329
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14036

 tggaacatag tgtgggttcg agtagtatag cattaatant agcaciaaaga gtttcttcat 60
 tttgctcacg tccttcaaac aaaacacctg gcatagcaca caggacaata taaaatgttt 120
 atattacagt aagtccactc aaatatttct aacaagcaga tgaatcttaa ctcatgtgctt 180
 cattcctgta tgagaagggtg atatgctcta cctcatagac ttcattggatg agactttaca 240
 atcttaaaac ttatatgacg gcatgtggat ccacgcttag gcctataaac aggcataagc 300
 tgataggatt ttggtttcta ttgaaccca 329

<210> 14037
 <211> 226
 <212> DNA
 <213> Glycine max

 <400> 14037

<210> 14040
 <211> 653
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14040

 agggccccng aggcagtaac gttgngcann ngcatcgann ncnnnatnca tcnanatan 60
 naanacacnn acacngnnnn agggnaaagg aagaggaggg tggagagagt tactactttc 120
 tccgcncncc cncncncccc gncgggggc cgtagtgtac agannannaca cnacacaccc 180
 acataccact acatccacn canagcncaa tgatctaata atctagaaac agcgtcagct 240
 gacacaagaa taagattaaa cctcnnngcaa tngactatga taacagagca agacattgct 300
 gactccgatg tgagtatcgc gacctgaccg cctcgaggta tatacggacg ctcgagagta 360
 tctcatccga tgtgcgtcat tgtgtgacct cgatcgattt ctgcatggac attgtataat 420
 ctatcacatg gtggtactac tcttacacag aactgtatat atcactatct tcgcaacaat 480
 gcggatcgga tgctacgatg cgtgggtact acgacgggca tacgaagtac ttnaccgaac 540
 gtgacatgca gcaattactg cacgcgagtg aagttataga gtaggtacac cacatgcgcg 600
 tgagagacaa tgaacttgat aaggacagaa tccatcactc ctggtgaagg cag 653

<210> 14041
 <211> 510
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14041

 aggtgtcnat ttgaaagctt tggaagcctt tgagcctttt gaaccctgt gaaaccatc 60
 gngnncatga gatgggtgag ggacacttcg agaggcgagc gagcttttta cccttgtagc 120
 accaacgggg agagaagaac cacgagttag aacacacaca caccaaaagc ggggagaggc 180
 cgcgaggaag gatgcactca cctaattgtt acattccaaa cgatctgcaa aggcttgagc 240
 taggacagca tcaatgctgg caaagttatg tcttatagag ataccgtaga ctctttaag 300
 gttgtaaaga cgactccacc aattctcatt tattgttata gaccgaaaac ataaattatc 360
 ttcattggccc ctatacctat gggtagtagt ggctcttttg ctcaaggta acgcgtaggt 420

gctgaggttaa ggtaaacttg atcttccaga caacggagac actctactat gctcatagtt 480
atacttaaat tcggcctgag ttagccntcn 510

<210> 14042
<211> 280
<212> DNA
<213> Glycine max

<400> 14042

tcgatcactc acttaatttt ccatatactc cccctttgtg gttgaatcta cgcttcactc 60
gagattaact aatttaagca tatgaggtgt tgaatcaatc cctattgtct ctcccccttt 120
ggcattaaca aaaagccaaa gtgcgtaaga aacataaaac atacataaat gattataatg 180
catacgaccg aatgtaagca catatcacta aacatatatt atcaagataa ttaagtttac 240
aactgcatac aattaagagt gagcagatat aatcatgttc 280

<210> 14043
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14043

tgagtgacan nanatttgaa naccgttttag tgaagccccg gtgatngcaa tcgtanance 60
attgcgaann catgctcgga ncctgaggat gctgtagagn cgaccgtgca gtatgcangc 120
atatcttttn tttgantttc acatccccn anaaacaaag actgtttttc acaattctct 180
gctataatag atcaccctgt gatataatcg actactttac tttcataaca gatccacaag 240
tgatcaagag cactctcatc tatgacattg agagtataat ctattacatt gctcatgaaa 300
gtctatcaat tttatggaat aacactttta tctattgcaa tgatcaaata attcgtatct 360
ctataaatag tcaccttgtg ctctcacttc aataacctcc tataacttct taatgaacta 420
aagtaccagc tattttctca tgatacgaag atagaaacaa tgcttctaac agtgtgctcc 480
cacctataac ttcgattttg agacaacttg cgat 514

<210> 14044
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14044

```

agtgtatctt gcatgcacnc ntcacaacat ccaacccnac acagcnggag aaggagggga 60
gagatatctt ttacnccc caccggccgc ggggcctggc tggagaagac caacaagaat 120
cccacaccgc gactgcac acagccaatt cactccgact aaacctctcg ttcacaacac 180
acgcaactat accacgcctg tactgaggcg acgaactccc tacaccgcaa acactgctac 240
acgaccaccc gaccatagct gatagaccac cgattaggta tctagctcac gatcatgacc 300
accacgcacg ttaacatctc agtaacaaca catacaacac caccggagcca agcttggaca 360
taatcaacta tacctatcga acaacacaca gacatatcac cacaatacga gcaacaactc 420
agcgaagtct caagagcgcc cacaccggga aaacaggagc ac 462
  
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<210> 14045
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14045

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gagganatga acgtgaacgt gatcatgaac tgaaacatga anaaagagag gggctcttag 60
gggggggatta gcncttttag gnggcgaaac aggaccccaa gataggaggt ccaaatatct 120
ctgctggatt gaagaaacga agcctgtact ttaagctacc gggctgggag ataaataatt 180
gtgcacaatg aacagaagaa tttcgctga tgaaacctgg taccctaaag cgtctttaca 240
tgataaagct aagagggtaa tagatgaaga cctattcaca aaactgaaat cgcccctcta 300
aaggctagc 309
  
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<210> 14046
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14046

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gcccagaggt gtgactagct cacacacacn atccnaccgc cngggggggg ggtgggtaag 60
ttacccccca ggcgcgctg aaatgggtccc ttccattgag tggtagttat caccgtctgc 120
  
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tatgaatcag gggcatagga gtaccacgtc tgcgattccg ggacgaagaa ccaaaccgac 180
gcttcaccca ctagactacc catgtctgaa aaaccatgca cctttgggac aaagcgctac 240
cttaccgttt cccgacatta taaaagtact ttccgaaacg agcggactca gaacgtcgcc 300
gctcgctctc 310

<210> 14047
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14047

ggatgaactg ancttttgaa cgggtgtgcat gacttgaanc aagnanaaga ggagcnagag 60
gattttatgg agcagagcgg ttctcacatt ttaaaggacn gaagaaggcg natactagt 120
gtgggggaac gtatcanaaa agaaccaccag gccgatatac atacggncta ttgctcttag 180
cgcatccatt atagaaaact attatgggat actgtcaagc agctaatagc agcacttgag 240
gggttggggg gtatattggg cgattttaat tccattaagg accctgacga aagatttggg 300
aggtgccaaa gattatccac aagatcgctg atgagtgaat ttaatgaatg gatagatgat 360
tgagatctg caagacctta gggaggcgga gatttattcg acataaccat ggagcgctaa 420
aaacgatgac cgtttttgga tccttacatg ctttgatatg cctgcagatc a 471

<210> 14048
<211> 277
<212> DNA
<213> Glycine max

<400> 14048

gccccgaggg tacatgatct tgaaccaaca accaccggag ggagagggaa tacttattac 60
caagagggcg ctggttacta gatacaaagc gcttaattag gtgcataaat tagatgtctt 120
ggacaccaag ggttcaagag ggaatgagaa aatttctccc taaagacact aattgtctcc 180
actgaaataa gacttcttca gaccctaata ggaaccttag gtctggacga gctagctttt 240
ttttaaccgc gctagcaata agatttttaa acaatta 277

<210> 14049
<211> 431

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14049

 agacggcnnt tcgaagcctt tgtaaaccgt gantctcgat gccttcggaa ccnagaggng 60
 ccaganagga aggggaanca tttgaggaaa cagcagcaac aaagtgtggc gcacagaaaa 120
 ggaaaccggg gaacaaacaa cccaacgaac aaaangagga aaaaaangac gccncgccc 180
 accncaaacg agcccaccga cgccaccggg caagagagac aagaacacac cggaggagaa 240
 aacagaaccg gccccgcana agacgacaaa cgagcaaaaa gaggacacgg ggcaacaaca 300
 gcgacggaca tacagaaacg ccacaaaaca ggcaaaagcg gcccgaaaaa ggagatgcac 360
 ggcgaggcaa cgaaaccgac aaccagcacg gccagcacia gccattcgcg ggcgatgaag 420
 caggaaaccc c 431

<210> 14050
 <211> 405
 <212> DNA
 <213> Glycine max

 <400> 14050

 actcaagcgg agcagccaac tcctgaggtc atgcctgatt attgaaaatg gtgattaagc 60
 gcacaagaac gctactctg cgaacactat aagggacttc aagaatgtgt tcaaggcatc 120
 ctcatacaac ttactaaat gacctctcac cctcacctgc gtaagtgatt tatcctcagg 180
 gtcatagagg ttgcataaaa attccttcac aacaacgatg tctatactgc tatcagacaa 240
 atcacccaac ttctcatccc aatgtctact cttgagatcc tccttcaact tagcaaactc 300
 tgagaattaa ctaccacatt cctttctaag agtagcttgc catgcaccac aatgtatgta 360
 tatctctact acacctctag ggatgtgaat caggatctat aaatc 405

<210> 14051
 <211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14051

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aactttgtgg cgaggatttc nnccttttcg ggaggcagga ccggcctcac acagaatacg 120
 atggcacatc actgtgatgg ccgcatttgc tggaacaaaa gacgggacct ctaaagctct 180
 gggcctgggg agatgaaaga acaatgcca gggtagaaaa aacatcttgg ctctggtgaa 240
 agcattggca gctacaaaca tctcgcatat aatactctga ggggggagat gtcaaaaact 300
 tatttataaa acatggacaa tactctgcag aaagttatat cn 342

<210> 14052
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14052

cttgagctnt gagcaccac gactgtacct tgagcattgt angttttttt tcgaccaca 60
 cagttccaac agcagtgtag ggttttcttc gacttttctt tgatagaagg ttctgtgggt 120
 tccagccagc ggtttccaac agtatcgaaa tgaatgtggg gcaatgtggg tgtcgaccga 180
 gcagtttctg gcagatttca tgtgggagga gaaagagaag agagagtgca gcagggtttt 240
 cgagcgcgcg agttgtgaaa tttcaacacg ttttaactta ttaacataac aacatcaaca 300
 tcagtttttt aaggataaaa aatgttagga tgaatctgtt aacatcgctt ttctaaaaat 360
 cgatgttaac ttcaacaagg taacatccgt ttctcaaaaa ccgatgttc 409

<210> 14053
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 14053

aaagatttaa aagtgaggaa tggaaggat ctgtaaaaaa caacgggaac ccatggggat 60
 aattatgatt gacaattaat aggatcatat attataggca tggttatgat acattgtaaa 120
 aaataatagg gatggtataa tgatatgaaa aatgttacat tccagacaga tgtaaataga 180
 atgtgactaa gagaataagg tcaaaaataa ctttttgttt cttatacatg agagctattt 240
 gactcataat gctgagctat 260

<210> 14054

<211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14054

 ttgcattgct cgggagcggc cttgggttta taaatnttat agaactcctt gactagggct 60
 aagttaatgt gattatctgg ttgcctggtc aaggctctgt gccacttgca cctcctcctg 120
 gtggaactca tcatactgtg agaaggccaa ctccacattc ctttatggga ggatgttcct 180
 gcaatggacc attttctcat atcgcttcca ggcgacctta aacatgaacc gagatgtgtc 240
 gtanggttcc tgaagtctgg aggtggaagc gcgtctcttt cttgagacca tctgcaccaa 300
 aacacagcaa atgagtcaag ttagacaggt tttattgaaa aa 342

<210> 14055
 <211> 484
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14055

 aggactggan cttttgaagc cttttnggag ccaaattgatg cttttgaann ccnggaacnn 60
 aaaannnacc ggagagagtt agncggatgt gatagacca accagtttct tagtctacaa 120
 cacnacaacg gcgaaataag gacaggggaat ccataacccc acccaagagc actcaacctc 180
 catttttaca aggaccttac tcaaacacac catgtgctta taatggagga gtactgggctg 240
 cattaattga tcatgggtgtg accctgaaac atagaggcaa aacctgattg atgcaggctg 300
 gctaaaattc aaggagggaa ttcgcttgaa aatcctgaca ttgggaacca cactatgcat 360
 ggggcattgt gaagggtgtg ccatatttct caatgaatct taggatataa agtttgcctt 420
 ctttgaaaca ccagctcaat gtaataatat gataaataaa ggccttggtt tattctttct 480
 gaag 484

<210> 14056
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14056

gaaaataaca ccagtgactg tatTTTgttc tcacgcttcg gttgaaaatg ttttgacaa 60
cataagtgtt aacttgagtt ctatattgga ctggctctgc taacacaact gagcaattac 120
agatcaagtg gcccaacaga gactgttgct acttgcacct ctcccaatat ttttctattg 180
gcatttcaca accagaaaaa gatgcatttg aatagtcatt ccaaaataaa ttagaattat 240
ngaagcaact gtgattgcat gaat 264

<210> 14057
<211> 247
<212> DNA
<213> Glycine max

<400> 14057
agggaatgcc ttggcgtgac tgcctgaact aggctgggag ggaattagac cccctttcgg 60
ccacgagcgt ccccgagact taaacgggta acaagagcgc agtctctgga agcaggaacg 120
ttaccccaga gtccctaactg aggaagggca ccagtgaaac cgaagccctt gcaagggtccc 180
ccgaaaacat gaaggaacgc agggcaagtt acagaaaacg ataggggact gttaattctcg 240
cggcgca 267

<210> 14058
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14058

taccactact ggaaaatcca aatccaaatt ttcattgagg caatagattt aaacatttgg 60
gaagccatag aagttggacc ttatgtaccc accatggtgg atggaaatac aacaatagag 120
aaacctagaa aagagtgggtc tgaagaagac agaagattac tgcagtacaa tttataggct 180
acaaacatca ttacctctgc cctangaatg gatgaatatt ttatggtgtc aaatngtaag 240
agtgctaaag atatgtggga cactctacaa gtacacatga aggacaactg atgtcaaaag 300
actangataa tactcaactc atgagtatga ata 333

<210> 14059
<211> 261
<212> DNA

<213> Glycine max

<400> 14059

agggtttttaa cttgagcttg atcttaacgg accaaagctg agggaccctg gcttcggatt 60
actgggaaga gacagaagca ttaacaaggg taccocata cacactaggt ataagaccgc 120
ctctcctcac tctccgaat cttcaaaaag ccctccatag gcctgtccaa catttactcg 180
gcgtgccaca ctgctctgta tcaactacca cactgttaaa gcctcctcgg ttaactcttc 240
actgagactg ttaccaaggc t 261

<210> 14060

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14060

ggaaaaatng gatatggcac tgtagcgaa gccttggcat acaagtgtcc ttttgtcttt 60
gtacgtagag actatntcaa tggaaaacct tttttgagaa atatgcttga ggtattctat 120
tgactttctc catgttagtt ttttgtgtct tcaatatatt ttggttatga gtgcctttca 180
agtaattatc ttatTTTTTT agttttatca aggtggtgtt gaaatgatta gaaaggattt 240
actgacttgg cactggagac cttatcttga acgtgcgata agnttgaacc ctgctatgaa 300
gcaagcatta at 312

<210> 14061

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14061

agctngttgt aacctgacac angaaaagtc tctatatata ttgattgcag nncaactgca 60
gagccagctt ttgaggttgc atattctatt gcttttcttc cttcatgttt ttcaactata 120
cataccatga acattgataa canaacaat aagttaatcc ttaaaagctn taactgaagt 180
tagaacgtgc attggattaa taagctttac attttcatca gtaatagtgt tttccattat 240
tatgttactt atcatttttg ttctgtaaat accttcta atgttttaaaat actattttat 300

ttggngctct atttctct

318

<210> 14062
<211> 242
<212> DNA
<213> Glycine max

<400> 14062

tccacaccct tccccctaaa ccttgactaa atggggggta gaaccttgga cccaaagcta 60
ttaatgtgta aaattgtctt tatacattac tataaaagct atcagacttt ttcttagtag 120
tcttgatta ggctactac ccccaaacca cttaaaaaac actgtaattg agattgtcaa 180
ctataagata cattgcatat ttagtgatgt aacttaccac tctcctagat ggggactata 240
ca 242

<210> 14063
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14063

ggatgtaaac tgaagcatta gacnnttgat catgaancgg gcatcaaagg accgagattg 60
taaggaatta gagaagcaac aattattggg tgaaaccaa acaggaagg gcactaaaac 120
cccaaaacna ncgcaaccnc ccgcacatgg gaggccatac aacgcacgaa aaaccacag 180
ctgggctaaa gttgtaaata atcttaaagt tccaccgaaa actggtataa agctaaatta 240
atttctatgg tcaaattctg gactgggtctg gaccaaagt ggtgagttag gtccttaaga 300
tggctggaat tttggagctg aaataaaata aaacttaca atataaagaa agaaactcaa 360
aactaaggac tgtcacctat gatttgcaac aagcagctag 400

<210> 14064
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14064

catganggtg ggctcatggg ccactttggg atatacaaga cgctcgtctt actcaaagga 60

aaagtttatt ggccccatat gaagaaaaat gtccttaagc attgcactag gtgtgtagct 120
 tgtttacaag ccaagtctag ggtgacgcct catgggctat acacaccctt acccatcccc 180
 tctgcacctt gggtagacat tagtatggac tttgtccttg ggcttcttag aacccaaaga 240
 ggtgtagact ctatctttgt ggtggtggat aggtttatca agatggcaca ctttatacca 300
 tgccacaagg tggatgatgc ttaccacatc tcaaaacgct ttgttatgga agttgtgaga 360
 ctcgatgggt cgctggacc att 383

<210> 14065
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 14065

atctgaagaa atgaacaaag tcaatataca atatgagtgc aaacaacgct atcaagcata 60
 agcttggttag tgaagtatac caaatctcgc aaaagctaga ccccaaaatc ctaaattattg 120
 gtcagttgga aactaaaga acgaaggggt ttgaagaaac ataaatagaa caccaatctc 180
 attcttaaaa taaaacaccc aacaataaat catcatttgc cttatctact ttctttggcc 240
 caaggacaaa tctgctatca actagctgca acacagaata cctttgaacc ctaatctctc 300
 ttttcattaa gcttaataac taccaaggga aaagaacacc atagatcatc tagttct 357

<210> 14066
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14066

tgaactgana ttanatctat ttctttcaca cttgtgtcaa tgtctctctg gtataggctg 60
 nncaagtcaa gcatttgtga cacttcagat ttctcaact tcttggtgcc acaaggttga 120
 tcaacacaat gatcagaatc agtttctgca cttctctttc tcccatcaac acttgatatc 180
 cccttgaatg ctttaacttc tgctggatga atggaaatca acggcaattc aactgaaaca 240
 ccatcaaact tttgagggtt gtctgcctca tccatgatgt gttgttggtc agagctttca 300
 gatgatgtca aagagctntc aagtgaacac atgggttctc tgtcttggtt tctctcttca 360
 cagttcaaac ttaaccctcg tgtttctgtg agttctgaaa ttggagaact tggacatgca 420

ttattg

426

<210> 14067
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14067

agatgtnnnt tgannncttt gtanancgtt attcatcgaa cnccggcacn caacgnngac 60
cttagatggt gagagcaacc tttgcgctgt ccagcacgtt tcntccan cn aggggcn gca 120
gacaaacaaa gagcccgtc cagacaacca cgcaaacaa nccacagaaa cnngcggcag 180
agaaaacgac ggacacaacc cagacagcaa aacngagag agaaggcaca ccacacaaac 240
gacangcgcc accagaccaa cagcaccacg gaaaaaacac ggccgccaag agaccccgga 300
acacaggaac cgccacgggc gccgcgacgc cgacacagcg cggccaaaca aganggaagc 360
cgagcgacaa cacccaacgc acaaacagac ggaaagcaac aangggccgc gacacgacaa 420
agcgaaagcc cccccaagcg aggggaaaac ggacacgaaca cagaacaacg aagagcacia 480
aacacgaagg aaaggac 497

<210> 14068
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14068

agcncagcat gtatcgtttt tcacnccac aaataccacc gnccccaagn gaagaaggga 60
gagattttctt ttgncgaca ccgaggggga ggtgatgaga ccaaccccc ccaacggcaa 120
atgcgcgaag agcagacca tccgaaacca aactgaacaa gctagcgagg ctgggctacc 180
ccttgctctc gccagctcca aatcgagcct gcacgcctac cagaaggctt cacattccgg 240
accggcaagt acctacagag acacacccga ccggcaccca accgacctta atcccacttg 300
cccagagagc tgcggtgatc cttctctcga acgccgcgtg gcacttacgc cattggaaac 360
gtgactgg 368

<210> 14069
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14069

gcgttactga gcttgagctt gatcttaact gaancacngc aagagcgaca ttgggcgcat 60
 taacttgaaa cacggacggg aaancccaac caaccccaaa gcacacaccg ccggaggaac 120
 ccccgggcaa caggacgcaa cncgccaaca accacggcaa aagaaaaacc acccaccaca 180
 gccaaaccagc gcagcaaaga aacacaagaa aaagagcgac cccaaccaa ccgcaaacc 240
 ggaaaccgag cccacgggc aagaccaacc 270

<210> 14070
 <211> 602
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14070

aggcncncng agcagggggt tgaatcgta ctgangcaat tgcancnacb ennattncnc 60
 aagcnnngca ccngaagacc aagacgtgac gcgggcagag gtttgagttt tgccttttac 120
 gnnnggaag gcgcccccaa ggcagggctn tacatgnagc acgcaaaagg cgcacatcc 180
 nccttgggcc caacctccaa cgtgagcgtc acggctctct cagatatcg ccagtataca 240
 tcgtantctt ctcagacact cgaggtccgg cctccaaata cctactagag gcttcccgca 300
 cacatcgaaa agttactttc gccattttct caaccagcnc ccaccactac catccagact 360
 naaaaatatc acgggtcaga tagacagaaa cacactttgc ttctagcaac atccaacca 420
 gaatgctcga agtttatggt tatctgtaac gagtcccag agaccaatgt accttcactc 480
 gcaattccgt gaaccggttg ctatggactc ccagatgtta actgcccggtg tctacccent 540
 gagacagaca attggggcg tgggggttac taggagacat cctgtaatct ttattggatg 600
 cn 602

<210> 14071
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14071

ggacggaact gagctttgaa ncgnggnaaa tgtgctctcg aacaangann gaggggaagg 60
ggtttaggag cgagggttta tgggggggga agaggggact gacagngccc aaggaaacaa 120
ggaacaccag agcaaaaatg aaaggagcgg tgaggcatgc ggcaataagg ccaaaggata 180
ggatgaaaac gagaacattc cgataggaag cagcaaacc ccaactgcat actacacata 240
ccgcccgaac cgccgcggac caccaagaac tagcgctaaa gcggaacca ggagatgacg 300
ggcacgcgac gatacttccg ttcccggcag atgaaggcac agactgggga attcgacccc 360
aaccaggaca acaaagagag acggggaaga ggcacccac ggcgccaaca acaaacggcc 420
aaagaaag 428

<210> 14072
<211> 240
<212> DNA
<213> Glycine max

<400> 14072
gatctgctat atctgaacca caaccgcggc caagaagaaa attattcttc caccgggggg 60
agggttagcag cgtaggacag gagcgatgcc attgcaatac aggtaattcc ctcattacac 120
ctattatcta agagggatat ccagaatctt cccgcgaaga gcgaactcta tatcatcagg 180
gcgttcctta tgaaaatgct aacaccaaag tgcgccggc tttgaaggaa cccttttttc 240

<210> 14073
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14073

aggggctgac cttgagcttg actagctgaa cagancactg cgggactttt tagggtttcg 60
taagaaaagc accaagaccg ggcacaagca acgagacgga cgagaagggg accacagaca 120
aaacaagcgg aagccaaaac gcagcaccac aacagcaccg ggacagaggg gaccacaaaa 180
caacgcagca naaaaccaga ccagcagaga aagacggaga cggcgaaacg gagcagcaca 240
cgaaggccaa gagcaagag 259

<210> 14074
 <211> 644
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14074

 ccgatgctgg ggacgtcagn ntncnntag cantnnacgc gacacncnag aaacactcaa 60
 gcctntangg attgagaaga atatgagagt ggaacatatt ctgtnttcta nttgncnttt 120
 cagcaatacg atnagagcaa atgagtagag cgccctatct gtatanntaa taatatcgac 180
 ccaaccctct acctggtagt tacattgtct tcttgaattc tagaaagaag atgggtgggat 240
 aacaatagcc tgatgataga agatattttat ccattttaata catcgcacag aaataaacat 300
 gtatacatat tcaccgcaca ccttatctag tcagttagggt ctgtgagaac catcattata 360
 tttcagaact ctgaagagaa gtacaaaacgt attgtacttt ctcacacata attctctctc 420
 accaagcatg atcggtatat aagtgaagag acagtagaat atgtgaacag caactagaag 480
 acaagggacg tgtaagagat acagatggag tcgaatgctt atatcatcat acttgcaagt 540
 gagcaagaac atatacttca gaaacattcg gaggctaaac agaataattta ttcatagtga 600
 agaatttagg cataacacaa agcattattg tccatcatat gccg 644

<210> 14075
 <211> 199
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14075

 aaaaaaaaaac natatgcatt tatcaatata tntaagtaat aaaaaaagtt aatgaaaaaa 60
 taataagaaa ttgtttatga attattaaat tgggattgat tgaagtattg tttgaacgct 120
 taaaaattat tatgattcct ttaatgtgaa gatcatgggt agaaccaatg gtttgggtcg 180
 ggctttagga aggggttata 199

<210> 14076
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14076

tgtacgatta tggagtaccc atcacatgtg ttactatgtg gttgtcgggc gangngcac 60
 aacaagtttt ccacatccac aaagcgcgca taaaccatc atcccctgtt gccacacctc 120
 aactgagctc acgtactccc acatagccca tatcctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc ccaacatcaa agtaatacaa cattcaaaca gcacaaacta 240
 ccacagccaa gaaaacaggg caaaggcaga aaactctgct caaaacacca accaaaatca 300
 cagcttttct cacttaaaga tcccagtaac aattccttcg atccaattcg ttaaccgttg 360
 gatcgactcc aaaantttac tggaagtcta tagtacataa gcctacattt tgaccgttgg 420
 gatctactag caaacatc 438

<210> 14077
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 14077
 aacgtgatga ctgaactgac tggctggacc aagacggggg cacgctaatac agggtttttag 60
 ggggaaaccg tggtaaaacc ccccgaacac ttcattggctc cgatgcccg actccaaagg 120
 cgaggaggcc agacatcccc cgagcacgac gttagacggc caacctcaac taggagggtt 180
 cgacaccctt agcaattcgt caagaaagcc cgggcctggt cctgcagtac aatctggtac 240
 cgctgccagg gg 252

<210> 14078
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14078

agacaacgtt agtttctgtt tgcttttagg ctgagcgtct tacagacagc aataagcatt 60
 gtctatacgg atacgcactc gggtttttcc gcccgtcagc gtgactcaca ttcagtatga 120
 caaatattgt gagcgcggaa gatgacgcat atctccgct gccacacggc ttgtcgcccg 180
 cgattgacga aagacgtaca agacgacgtt agtctctgct tgctatcagg ctttacgtct 240

cactgacacc taaaaagaat gtttatacgg ataaccactc gggatatttcc gcccgtaac 300
 gtgactcana tgtcactatg acagatcttg agagcgcgga aatgacgta catctctgcg 360
 tgtc 364

<210> 14079
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14079

gggcggaatg aacttnagt caatatgcac tgaancacgg aacncataan gaccgggagt 60
 gcgaaggagac ttgatggggc nacaaggttg nccgagcggc caaaccaaac agggggacta 120
 acgaaacaan anatcagacc aaggagacca aaattanacg gcccttatga ccgggaccca 180
 ccatagtcac ataataataa agaattaact gaatggctct ttaaattaag taaattaaaa 240
 tatcaccata aaggccttgc ctgtcaacaa taggtgaact cagtgacccc cgtaaactcg 300
 cccgcttttg tcgaaaaata atggttatcc gggacagcaa agccataaat ggtgcctctc 360
 acaaagctca cctaataaaa cgcgtataat ccccgcaaaa atccacaaat aatgatcttc 420
 ccggcctccg agctataggg acaaag 446

<210> 14080
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14080

gggccccnc cggggtaaac ttgcatgcag cagtgcaac tcagccacag cggacaangc 60
 cttggagtag aagagctcct ttacgttcn taangcaca ngaagtgaga tcacaagtag 120
 atgcatgagc atgtcgtgcc ccatgtctag cttatgcgtc taacattgga tgccaagcta 180
 tacatctacc ttaggtactc ctatataata tctctcctt acgcttcgga catacatgag 240
 cagcattgga atcatctctg gcactctgac tatggcatag cattgttcaa tcgcctcacg 300
 acattcatga cgttggacgc tcacaataga gccccgaggc gctatggaat acaacactcc 360
 atggcatgag gcacatccta ttggaacgaa cagacttctc aactntggcc gcgttatatg 420

gatggaagaa gatcgggtcac tactagaaaa tagacgttca cgtcggntat agatcgtgg 480
tgacgtcg 488

<210> 14081
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14081

agatggnnnt tgaaaccttg gaggccgtta tcatgagccc tgaacncaag ngactgagca 60
ggaccaatt gtggaccggc atttgaactg gaggcccanc ccaaacacgg aacagaggac 120
caggccccac ctatcaccta attggggccn cccagcacca ctttgggtga agttttgtac 180
cttttggaga cactctaagg ccccggttat tatgaagaac ataagacata cccaatccag 240
cttcttaaga aacacaacc gtggaagtat caaatctgg aaggaaagcc ataatttccc 300
ctagcccctt gtttaccac aggttttcac agcccggccc aaccacacaa agaagtggca 360
ggaaaaaacc tactaa 376

<210> 14082
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14082

cttaaaatat taatgatcct cacaacaaat tttcaagttt ctttggagtt ttcaatctcc 60
ttaatgaaat ttagtttaaa aaccatcctt agttgttcca aaactgtaaa aaaaagacaa 120
aattcaccat gtgagaacta tttagaaaac aacaaagcta gcanaacaca cttggcgaaa 180
tatttgtcta tgtaggcaat atcctctttt tcagcacgcc atccacccaa ccgatacaac 240
aacgaaacat agtgtattaa ataacaacac acataataat ataacacttt gcaaat 296

<210> 14083
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14083

aggatgtgaa nattttgaaa ccattttgng acgacangct gatactatcg tancncnncg 60

ggaacnnnat aanngcactt gaaggcaggc agccnggatt gnattaaggc gtcctaaatc 120

cattaggcgc gagattaccn cggagggaga gctcaaagct aggattaagg gacataaagc 180

naagcttagt ttactttggt ttaacatddd tgccatgtcc tatgttattt gaacatggaa 240

tccattgggt gatagtgggt aataataaat caataatcat ggttaatgag gattaaaact 300

acttgaaagc ttaataaaaat gtttaggatt cactgggacc ttccatgggtg ttccacagaa 360

ggccgtgcct accatgggtg tccaacagaa agcgggtgcct tctggcgga gacacgggc 420

gagctggccg gaaccacctc ctctttccct ataattaggg aaagggcgga agaatcgtna 480

accctgaatt atgatcactt g 501

<210> 14084

<211> 195

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14084

ctetaatect gaaaaaaatt gattctctct attatccttt acggtggcgt natctcaatc 60

acggaataat ccttgcataa tttttgctac aaaaactgac aaattatcat caaaacatga 120

tttcatacta attgacatag atcatgatta aagaaattaa gcatacttac tactactttc 180

taattattcc gcacg 195

<210> 14085

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14085

nnaactgtan ancctgntgg ctagtacatc gggtanncat tgagacntgg acctcagagc 60

gacctgaggt ctgcaacggc ttgaagcacc agacngtga ttttggggga ggnagangcc 120

agaggggggc aagaaaccgc cccccggaa aacgagctnn ccaaaggag cctaccacga 180

aangggcccg aggaagctgg cctcaaagag gtccaggaat gacatggcag ccgaatgaac 240

tacttccgct ccggagtctg atagtcaccg ctataagagt gctgtacacc agcagcgcta 300
 cgaggccata aatggatggt cgattctccg ggagcgacac gtacagctca tggacgacga 360
 gcttactgat ttccaggagg aaatatggcg ccggcgggtg catcactgat tctcccacgc 420
 caactggatc ataaccaaac gtgtttttat gcaatgctgg ccacacagat gtgtgcgga 480
 tg 482

<210> 14086
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14086

ccggggatag tcatgctaga ntcnnaccct aacnccaaca gcgacagggc tagtagcaaa 60
 aggaattnct ttacacccc acaatcaciaa ggggtcctaa aaaacacaaa gcggcaacgg 120
 acctcaagac aagaaacctt aacacaccct gtnaaaatac acaagaatac gcaccccccc 180
 aaaggaattt gcccaaaacc cgagggtacc caaatcggtg caatgtaact tatccctatt 240
 actgaaattc aagggaacata ccctaacaag tcataactca ttttccagat acactaacgc 300
 acgtggctgc aggaaacccg ggctccatga catgaagggt gagcgaagtg aggctatgag 360
 cgctgcgaat gaggattggg gat 383

<210> 14087
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14087

aggggacgga gatattgata gcttcttgta agaccntnga nntcattaga aacccgngga 60
 aantcatata cgacccggga gacganagan cgacttttaa gcaagcaacc aggattangg 120
 acaagagcaa cnnaaaaaaa anggggaaaa accagagggg gaccaaaccg gccagggaaa 180
 ggcacaaggg gnaanggaag acanangcaa aaccaaacc ngncaaccn nnagaggcaa 240
 cgangcggcc cccaaccggc agagnnacac ccangccca ccaaaccag aaaacaggga 300
 acaaanncag ancgaagaga ggacaaggaa naggacggan acanagaaag gcnancaaaa 360

cannggccaa aagagaaaca caaccaaac gaaagganac accgcagncn caggcagaag 420
 cggacgggag gggccaaana cacacacaca cacacgggag gcaaaaggag accngncann 480
 cgcaaacc aa gnncaaaaca cggggangag agaan 515

<210> 14088
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 14088

tgtatatgct gaaattgctg atggaaaact gttagagatg aatggtagaa ctaacctatg 60
 gttagaaagt gagaatgtga tggtatgagt ggaaaaagag tgacgctttg agagttggaa 120
 ggttaactct gaattctgtg atcaatggag gttaaagtga gttaatacta gcttgaaatg 180
 tcatttatga cttggggagaa agctaggact gtgctacaga gaaaaacaaa tgatcaaagc 240
 gaatcaagag ccatttctag ggcaaaattg agtggtgaag agtcaaattt tgattcggag 300
 agattttatg tgtaaactta cgttgagcaa gattagatag atgttatgga cttgtgtgag 360
 gtg 363

<210> 14089
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14089

tgcaggcagg cagcctnnat tatectggtc ccacaaat acacaaacgt tggaccaccg 60
 agaccaacct attggatgga aagaataatt aatcctactc tcctatggta ggggacacct 120
 aaattttaat tattatatta gaaattcctg tttaagccat ccaaatacag tcattttgaa 180
 tctcaccatt agtatcatgc atgtcaaaga taaggagaat ccggcatcgt aatgcatana 240
 cacaccaaac atttaaaaga aaacatgctt nctaaagcca accaaggtaa naatgattca 300
 ttaatcatgc actttttcaa aatattagac catattacca tatataaaac atggcagaaa 360
 catctcacac atgaacacat agccacacat tcagaaatga gtgtanggaa an 412

<210> 14090
 <211> 430

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14090

 tatcttacct atctatctcc cagatgtctt tgcaattatt gattatataa aaaacatgaa 60
 gttctaattc aagatgtttt ctttgttgca tgggcataat gcaatcactc tatgtctagc 120
 attgattnta ttaagatgtc cctacctttg agttctacta aaaattatcc tctctcaagc 180
 gactaatccc taaaactgat gcatataaaa ccttcaatgt atttctacta aggattaccc 240
 tttttcaagc gccaaacccc taaagatgat gcaaggatga agcatataat acatttggtg 300
 gcattntagg cctcccaagc cctaactaaa ggggttttagc cttccattgt catgagagac 360
 tnttacactn tanggggttg atatggatgg aagaagatgg atggatagag gaagaaaaga 420
 ggataatgga 430

<210> 14091
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14091

 aaatccaaat acatccaaac catcaaagaa ccttgcaagn aaccatcca aaccaccctc 60
 actttccttc accgccactg ccaactgtggc ctctcttca agcatcggcg aatgcccctc 120
 gaacagcgcc acgtgtccca acagcttgtc ctctctcgaa aacgtagtcc cgcattgagca 180
 cttccacgtg gcctctcccc gacactgctn gacgtggctc ctcaagtccg acagcaccgc 240
 gaaactc 247

<210> 14092
 <211> 279
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14092

 tcaaaagaca aaaacccccca gcaccnagca nggagaaaac actanatgtc aggggtgtcct 60
 aagctagatc ctttactgct gcacattngt ctcatgtgac atgtgataac tctacattaa 120

<211> 507
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14095

 atggagtggn ntttgannnn cnttgnaga gtcccatgan nctttgatg cattgcanan 60
 cnaagcgaan acacgagggc ccggganctt tttagggacc ggaggcaggt tacncgcttg 120
 tctcacgcnc caaagcatgc atcctgtgnc ccttaagacc ctatagcttt gggagccaag 180
 ttatgccttg cgttctatac tccaaccatt ggtgatagac gcctatgaca ccattgctac 240
 tgtccgctaa ctgtttatct cttatttcca ctctattcca cgctctatgg atcctctgna 300
 gtatatcgc attagcttca tcgaaacctc gcgcgatgaa aggcgcgata atttcctccg 360
 atggcacacc cctcatatgg tcagctaact gtcttatgga caacacgata ttctgattaa 420
 tacaacccat tcgccctata aatggacatg tggaatcctt acatgagcat aacactctgc 480
 tgctcttctt tcaccgagga accaact 507

<210> 14096
 <211> 442
 <212> DNA
 <213> Glycine max

 <400> 14096

 gggttttccg ataagggctg cagttttaac tatcaatttc ttctaaaacc tgcattgttt 60
 tgggaatgat atcagtagtt gaacttgcta ctatgactac aagtaagtgt gagttttggt 120
 gtttatatag attaaaaagt gagacttatg gggggtgggg aaactagatg ctatattggt 180
 ttgttaacaa gtggtttgaa ctgtgtggat aaaagcttta gctagttatg ggtaggataa 240
 aatattttta tcacaggaag ggatttgaag tgagaaattt actagcaaaa tctattcaag 300
 tcaccctta tattcttcat tctcagcatt cctcgccagc taagggatag accctatttt 360
 aatatgaatt aatgtgacat gaatcatttc tgcaagtcag tgtcttatta taatgcacac 420
 cttcaatatt tatccatgat tg 442

<210> 14097
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14097

 aggggaccta gtcggnattg annnncnntt nngagnnggc attttagtgc gtcngaantc 60
 ttcgnanana canagcgaan ncgagctcgg gacccgagga tccncttttt tcganctgca 120
 cgcatgttgn cngagtgcac ganagnnacg aacncggaga gagcaganng anngnnancc 180
 gcacaaacag agaaaggaca caacagacca acngggacgg aanaaggag anggaggnag 240
 acgaacacaa acacagacaa agccagcgaa ggcacgnanc ccgcaaaaaa ccaggacaaa 300
 cangcancgc aaaaaagcag acaaccgcag agagacangc cancccacga acaggaaaag 360
 aagaggaacc agccccaaga cgacaggaaa ggaaaaangg angannagga gaagaagaaa 420
 agcaaaaaaa aggacncnc nacacacana ncagagcaag ggcaaacc cgaccacaca 480
 gacaaacnng gacaacacaa gggacaanac gagaggaacg gggngagn 528

<210> 14098
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14098

 gacacataaa actcaagctg tgaattgcct gtttggtgaa ttattatact catnatgttt 60
 tanggtncct gtgatgatgt ttgtgatgtt tatatgctga aattgctgat agaaatctgt 120
 tagagacaaa gggtagaact aacctacggt tagaaagtga gaatgtgatg ttatgagtgg 180
 aaagagagtg agactttgag agttgacagg ctaagtctga attctgtggt aaatggaggt 240
 taaagtgagt taataatagc ttgaaatgtc atttatgaca tgtgagaaaa gttaagctga 300
 gctagagaga aaaacaaatg accaaagtga accaagagcc atttctatgg cataattggg 360
 tgatgaggag tcaaattatg attc 384

<210> 14099
 <211> 120
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14099

aacaaacgca ggggaagcca gccngncgaa nagcacanca aggaaagcag agagaaaggc 60
accaccnacc acngcngcng ccacnancnc aagaacaaaa gaagaacaga gcagaaagac 120

<210> 14100
<211> 406
<212> DNA
<213> Glycine max

<400> 14100

tagcaagaag ttgcttcaga agttggagac tcaactcttat agttggttga gctgtgcttg 60
atgatgccga gaagaaacag atcacaaaca ccaatgtcaa aactggctc aatgatctca 120
aacatgctgt ctatgaagcc gatgacttac tcgacatgt tttcaccaaa gctgccaccc 180
aaaacaaggt aagagacttg ttttctcgct tttccgatag caagatcggt agtaagttgg 240
aagacatagt tgtcacactt gagtctcatt taaaactcaa ggagagtctt gatttgaaag 300
agagtgcagt ggagaacgtg tcatggaaaag ctccatcaac atctctggaa gatggatttc 360
atatatatgg tagggagaaa gataaggagg ccataatcaa gttggt 406

<210> 14101
<211> 225
<212> DNA
<213> Glycine max

<400> 14101

gggtctgact gagcgtatct gactgacaag acgtgcgact gctgcagaaa tttctatctt 60
ccaggtatat caaagccagg ggccggagaa atgtcgcaca tggatcaatgt gatgtggtga 120
ctattataaa cttttcgact agtgagatct ggtatgaaga gattcattta aaggaggggt 180
acgtgtgctc tatgaaacca ctacttctta ctacggcctc agcgc 225

<210> 14102
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14102

ataagcactc anaagtctcc ttattccata tctttaactg ttatgtataa atnataanat 60
nnctagacca attagaagtt tcatggacgt gtcctatctt cttcctaaca naacctagaa 120

aatcttcatg cattaatcat gctgcttcaa ataagaagag cctcatatgc tagttctttn 180
 tggatgaga atctaacctc aagagaagag gcatgtgacc agacttcac ccatcaagat 240
 ggactatcat agcatcttgg aacataagtc tccaatcaag actaataaag ctnttggtcca 300
 acctaacacc cattcttcca ttctccaag ttatactatc accttggtat cccatgtcta 360
 tcanatntat gagacaaagg aaatcacgga aatcctcagt atcacgatgg ccctgagaat 420
 ntgctcatct tatgc 435

<210> 14103
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14103

agcggcggttt tttgancccc tttgnaagtg caatgantca ttgtanaccn gggaanctna 60
 tgagcgggact ggagcgtgcc agcctaaggt tgntggccaa nggnnccttt cttattggag 120
 aatatgggaa taaccatggg tctctttata atggaaacca ccctggcaat ttggtatcag 180
 gtggtggaca ccggtgagga ccgtgaccct ggctcggggg accaaatgga caccagtagg 240
 gggcaggagg tgaaatcctg ttgaggagcc gccaaaccaa cgtgatgacc ctggaataat 300
 tttgggagag agtgggggttt ggtaaatcaa ctctccata gtgggttcca tagatcgttg 360
 gtggaataaa ggatgtaa atcacaggattg gaataatatg attgaatagg tttaattcca 420
 tatatgtgaa tgacgtgtac tgagtactat actatatata tggatccact taagtatgtg 480
 tgtggntggg ggactgatgc n 501

<210> 14104
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14104

cgagtntatt ntagccttag tttcactgta gntattagca ttttcgatta agaacgagaa 60
 atgccaaaga gaaaacgtcc gattgatttt ccgctttatt atactaaaaa aaagatgttt 120
 tttgattatt atattatatt tcatctcttt ttgttttcca acgtgggttac ggcacgaccg 180

aacgggtcgaa attcatttta' accgaagttt acggatcata caattcaaac gttcgggtgga 240
gatttatttt atttttaagt taagcgagaa atgacttaag taaaatggct taagcacgtc 300
aacaggggggt atgaaaagta' aatganacga gaacagaaat acacaaaaca caatttggac 360
caccacgagt acatagaatg aatcgaanag catgggttcga ggtacttac 409

<210> 14105
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14105

agggcgggan tttgaanaca tttgagagga ccggtgaatc attgagnacc tngnanncnc 60
natgagnccg accggcaggc aggcaggcnn caattggtca gagctccagc ctcttggcaa 120
aatgttatgc cacacaaagg gacgaagcgg ctgctaatec cacggacacg aggaggggag 180
ggcanaacca gaacaacaaa ctgtgttggc ggaaccgacc ccctaaaaag aacaattacg 240
gccaaaggac ccatgccaaag aaccagaagg aggcagcgaa tggccgagaa taaaagaacc 300
aacgtgctac actcaccctc atcagccaag atagacgggc tgagcaggcg cacctaaagc 360
cttaggagaa tagaccgaga tgacggtgcc tacaagacgg catgacatga gcctttgcct 420
gatagatacc agctcggcca actataatgg ggcaagccaa ttcttgagaa ggatggaacg 480
gactc 485

<210> 14106
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14106

ctctctggta atcgattacc agtttattgt ttctgattcc agnggcaagn ttggttttca 60
aaaagctttc aactgaattt acaacgttcc aatcaatttc aaaatggtgt aatcgattac 120
aatatattgg taatcgatta ctagtgtgtt tgaacgttga aattcaaatt caaatgtgaa 180
gagtcacatc ctttcacaca aatgctttgt gtaatcgatt acaatgattt ggtaatcgat 240
taccagtgat aagctttgaa taaaatcac aagatgtaac tcttccaatg gttntcatgt 300

tatttctaaaa gttataactc ttaatgggttt tcttgaccag acatgaagag tctatanaag 360
 caagacctta acttgcattn tatagacatt gaatacattg atttcaatcc ttacaaccc 420
 ttgagtctct ttgaacatct tctt 444

<210> 14107
 <211> 67
 <212> DNA
 <213> Glycine max

<400> 14107

tttaaaagtg ggtcccaatg ggcttcctaa ttttcagctt tcctatttgg atgtgagatc 60
 atggaag 67

<210> 14108
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14108

gctagagaga tncccgatct gagagggtac tgctccgtcg gcacttttct ttangtcaag 60
 atacaccaaa ttgagagat tcccaatctg aggaggaatc ttcccatga ttccagtatg 120
 agaagaggtt gaggtgagtc aaggaagtca ttgtcccaag gaaagaagga attgacatac 180
 cttctccaag gtattcattg gcgctcaagt ccaagtaatt caaatgcttt atatcagcca 240
 aacaaggact tatctctcca ccagagctcc atctcctata agcttcccaa tcatcattga 300
 aaatagaatc tg 312

<210> 14109
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14109

actatacctt cgaccaaaca cggctgtgtt tctatctccg cccggattta aagtgggttg 60
 cagcaccggc tccgctttcc taaccgtact ggaagcggnt gccgtggctt tgcctctat 120
 gggtttctgg aagttaaaca tgaccttcca gatggaagcc atttgatctt ttaaagccga 180

tagatcggcc ttcactctggt cctgcacgcc ctcttcatta tccaattttt ctggatcgag 240
 tgttataagg gtgccttggt gttttcctag ttatgatgaa tttcctaaag aaataaacia 300
 aggtgagtat gccaccaaca aatgaatatg canatgaatg atccgtgcac ttggatccca 360
 cccaagggtt ttnggaaccg aatgagtcca gaactttt 398

<210> 14110
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14110

ngagtcattc aaacataagg cataactata tntaatgttc tttaaataca aacatgaaag 60
 aattttgcaa cgtacggaca ttactaaagt attctattgt atatttattt ggaaatttct 120
 aagtgatgat tttgcttcca tgaatgttat aaattcactt gttcaattat taatttagag 180
 aataaataat tatttgaatt agagcttaaa aaaaattaat tgaatcagat ataacatttt. 240
 aatccattta tacactacca ggaaaaaaaa aaggcacgaa gtgccttttc taattttttt 300
 taaatataga aataatattg gataattatt acgatgtgag tggaaaaatg taacttttga 360
 caaaaattag gcattgacaa agtcattaga tacatcctac cattaacata gttacaaaaa 420
 gaatgaacta aatcaactat tttttt 446

<210> 14111
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14111

aggggacgtg caactgagtg tgcttagtac ggctngctga ntcttcngan acccngggaa 60
 ctacagacag gacccgaaga aggcaagann gaacttgang gcgaacgacc accatcntnt 120
 ccanaggagn ccaaggaaac cagaggancc ccgcacaaaa caaaaagccc gcagaagaag 180
 cgcaccccgag gccgaaacca cggaacaacc ccgaaccnga caccgcccag cggaatgaaa 240
 acgccccggc aaccaagacc gcagaactag cgaggacaca gccacacgca ccgctgaccc 300
 aggaaccaca acgggaggaa gccaaaacca gaagaagcag cgacgganac acggccgcgg 360

nactgatgac ccaggaacaa aancacccag acgncgcccc aacatgggga caaattgctc 420
 cgatccataa aacggcgccg ccagacccac agaacggaga cccagcgacg acactcaaac 480
 gcagcccatg gtcgaggaca catgcccc 508

<210> 14112
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14112

cggacggtgt tatttatttt attgtacnnc gttcacaana nanncnncan gccgggagan 60
 ggaggagnac ggagaggagc agaagagggt tatnattttt atttgnggcc ccgcaaaccg 120
 ggacgggcga gaatcgacan gnncacacaa aaaccccacc aagagaacag aggaagccaa 180
 ngagtgactt aggagacgag agcgaaccga gaaaaaccag gggacgcgca ncctcatagg 240
 acgaggagct agtattcccg aagagagcag atcattcata gttgattgtc tgtggagatc 300
 tatatgatga tatacgtaaa ctagatgtca catctcaaaa aaggatgctt ctatatatcc 360
 tagtgtcgga aagtcagtcc gttcgatatt atgattactt cagaccatct tggagtgaca 420
 cattcatcaa atgaatcact gaatgctctc aggactatcc gctgaaatct aaagtcattg 480
 cactcttaga atcgag 496

<210> 14113
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14113

agggggcggtg gncctgannc cctttgnacg tgcnactgat ctactgatac cttgggaatt 60
 cagctcggac ccgggatcct ctgagtcgac ttgttgcag acagcnangt tcatatntct 120
 ctacgaacga nactcgcag cagaccatcc attaactaaa gaacaattca cccctattcc 180
 atcaagggtg gctacttacc ctaaataattt acatgtactt tccaggggta tttgttattt 240
 acatcacaca cgccttcctg gcttaattta catacatgca tactcaaagc attacggggt 300
 accaaaaaat gcacatgcgc tcactttggt atttctaata cctatacata taaaaacgtc 360

atgatcaatc ctgactacct acgcaataag gtgctacatt tcatgcctgt atttgtttca 420
 agtcttttgc acctaagagc ccatgcaaatt tcaagcaata tttcctttgc tgactanaat 480
 tgttcctaat tagaaggat atttttctgn 510

<210> 14114
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14114

ntcaacaaga gtcttcacaa ataaccatca tgaagtttna aattatcatt atctacccat 60
 catatctccc anaaccccat acccacgaaa atcaaaggag aaagaagtcc acccaaacct 120
 gaaattttga agtcccactc gtagacacgc acttcacgac cccgaaaatg ccttcctttc 180
 acgattttggg gcagaaatga tggccaaagg ttgaagcttt gtgtggagct tcaatggtgg 240
 aggaagaaga agagaatggc aacgtgaggg agagagagag ctgtctgaaa taatgtgggg 300
 ctgagtgaag agagagagag ttgctttttg attttaaaaa aaaggctntt tcttcatttc 360
 ttattatttt attataaaact atgccacatg tctccatttg agtggagcac aaagggccca 420
 ttntccctta tgactgtgac ccatactcag ccacaaa 457

<210> 14115
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14115

tgagaatgcc catccttgct ctcagaagaa gacaaaagaa agatagttcc cgatcaaggg 60
 tcggaagata gcanaagaag aanactccca atcaaagatt gtgagaaagc acaaaaagat 120
 agaaaattcc cgatcaaaga tcggaagaaa acaatagaaa tatgcagaaa ggtctttggg 180
 ccagacaata tctgaacaat acagaattgt caccaccata taaggaaaga aaggaaacca 240
 cg 242

<210> 14116
 <211> 423

ttatcatata ttttgataat atattctatc aaatacaaac tgattagtta ggctaacaat 180
 actaatagaa tactgagact gtctcgaact ggacctagga ccaccaccac taattntttt 240
 ttccagaatt cttgtgatat ccagacggct tcctgttag atattaatta gaaaaataat 300
 tataacgagt tttatgagcc ttaaattgtg gaag 334

<210> 14119
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14119

agtttatagc tgancatgac tgacttgaac agcgatatgc cggtttttac tgaggtttat 60
 tanagaagta tcttgggatg taaaacacga ttacggttc ttatcttaaa ttgatcgag 120
 actaccctgg gtgggttga ttatcttgac tgtaattgtg caattccaat atatatatag 180
 taatgattag gcttgccaat ttgaactgtc taaatgagtt gtctagttga acgaatcat 239

<210> 14120
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14120

agcncccccc cennccgatg gatganactg agactgttct gatcgcanan ccgcgacact 60
 atagactact caagcctgtg tagagntgac aatcagtaat agtagttcaa atgacatata 120
 tacgcaaach aagaaggata agcaactaaa gttctaagct gaatgtaaca tcaattccac 180
 atctcttgaa agataatgtg agcgagagag atgaatcgaa ggaattgtaa cttttgaaaa 240
 acaaaccata gagaattagt ctgaaagggt gctatntgga ttaccaaaga tatacttcat 300
 gcacctgat ttttgccaaa catatgataa tcgctgcca caccattggt aaatagagaa 360
 tcatttgcaa ttttggtaga tcaaagctaa aattcttgtg aaaccacata atgaggtggc 420
 ctggagaatc tgaatgcctc aaggcactcg cttctttgat acacctgcca ttaacaaaaa 480
 accaataaaa taatttttat ttaagaacaa ttcttaag 518

<210> 14121

<211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14121

cgggagctgt cgattttgaa acccctttgn ngaggnnccg ttganncccc tgattgtcat 60
 gtananacac ggcgaatnca gctcggaccc gggatcctct tagncgacct gccgcatgtt 120
 tncncaattc atggagncan cnnangagcn agaatgcatg atcttgacaa gaagaccctc 180
 tcttacgaca tgccttgtaa atcctctaag aggctctctc taattaaagt gtggatttta 240
 tcttgacaaa gagtcacact agggaaataa catgatgtgt atttattatc taaaccatta 300
 taaccgtcat aatcgattac cagcacttag taatatgttc ttttgcttat atatccttct 360
 ttatgcatta tcagaacgtt ctaattgatt acaataaaca ggtaatcaat tatttcaatc 420
 acaaagaaca atcttctaata atcacttaga tataatcgat tgcaagtatt tggttgtcga 480
 ttatcctact tgcaatatgt catatttgcc tttagttg 518

<210> 14122
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14122

gacacataga aactcaagct tctcaggaag ctacctagtc tataaataga agcatgtgta 60
 atacttgttg taactttgat gaatgcgagt gtggtgagac acaactcana gttcaacttc 120
 tctccctttt ttcttctttc aatttcgtgc tccccctct ctctttctct cctcttttct 180
 tttctccat tgaagcatcc ttccaaggct catcttggtg gtgaagctcc ttcttccatg 240
 gcttattccc tagtggatgg cgctcttct cctttgtctt ccgctgtatc tccatggtgg 300
 aaaatcacca ttaaaggacc tcattgaagc tcanagatcc agcctccata gaagctccac 360
 aagcaagctt ccatcagtga tggcactcac attcttcaga ttctacaca 409

<210> 14123
 <211> 404
 <212> DNA
 <213> Glycine max

Figure 1 consists of 12 histograms arranged in a single column. Each histogram represents the distribution of the number of non-zero elements in the vector x for a specific value of n . The x-axis for all histograms is labeled 'Number of non-zero elements' and ranges from 0 to 120. The y-axis is labeled 'Frequency' and ranges from 0 to 100. The histograms are labeled with n values: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, and 120. As n increases, the distribution of non-zero elements shifts to the right, indicating that the vector x contains more non-zero elements as n increases.

<210>	14124
<211>	451
<212>	DNA
<213>	Glycine max

tgtctcagca	gttgtgcaag	accgagacca	acatgtttatc	ctttttcagc	aagtaccaag	60
aagaattaaa	tctagccacg	gcccacgagc	acaaagtggc	ggacgagtat	gcccgaagtgt	120
acgcgaaaaa	ggaggctaga	ggaaggggtga	ttgactcggt	acatcaagag	gcaacaatgt	180
ggatggaccg	atttgctctt	actttgaacg	ggagtcaaaa	acttccccga	ttgctggcca	240
agaccaaagc	aatggcgagc	acctactccg	cccccgagga	gatccacggg	cttctcaact	300
attgtcagca	tatgatagac	ttaatggcct	atataattag	gaaccgttag	gaagtttgta	360
ttgtcactca	gatcttgact	agttataact	tcttaataaa	atgagtttat	ctncgcgttt	420
tactcttaaa	attagtagca	atcanatcac	t			451

<210>	14125
<211>	242
<212>	DNA
<213>	Glycine max

ttctttngat attnggcaaa gttaaaaata atgtttttaa aattatacta atcattaaac 60
taataaaaata caaagttatg atttaataat tacatagtaa gtaataaagt aataataatt 120

aaaaattcat aattaaatac tatnttttta ttcatacagc ttatatattaa agaactttat 180
 ctatcttaaa gtcattttta acagaaattt aaaaagaaaa ggggggaaat aaagacagtg 240
 ga 242

<210> 14126
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14126

agtttaantt aaccactga tattcaaaaa aaangaatta ggttaaaaac tanatccann 60
 nnnnnnnccg ggtgtattaa tgggcccaaa aaaaanaaat anaaaatatac tttattaaaa 120
 ctttatatta aatatattta tttaaataac acaaataata taatttcatac ccttaactta 180
 atttataaaa aaaaatttat tacatataat ttaaaatatt tttaatattt tttttacact 240
 taacaattta tatatataaa taaatactaa atttctatat attcacctat tatatatttt 300
 cattataaat tcaatcaatt a 321

<210> 14127
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 14127

aggcagaaaa ctcagcccaa tacacaaaca cataccacaa cttttcttac tcaaataccc 60
 cagtgcattt ccttctttt caatttgatc accgttggat cgactcgaaa atgttactgg 120
 aggttcctga aacataagtc tacattttga ccgttgagat ctgcatgaaa tattcagaac 180
 ccaatatgta caacccttta cacagccagt catgcctata cattttc 227

<210> 14128
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14128

aaatcctttt ctccaacgc nttttcttat tgtannntc cccnnnnnnn nntngaggt 60

aaactatata ggatccnctt ttacccttct cnnnnngann aaataccggg anggcggana 120
 tgtgctgggt ggctataaca acccctttgt tacttaaata caccctggc cttatttga 180
 gagatcttta tccgaacgtt accaaccttt acgaattcgt aacaatactg gttttctttc 240
 gcgatgtaac aaaaccttac ggttcacgta ttcttcccc ttttgggctt ccgggatgtt 300
 actgaccttt acaaattggcg cactaacact tccttttgac ttccaccatg ttagggaaat 360
 tcacgggtgg tgcaacattg ctatggtttg acttccggct tgtacanaac ttcacgattt 420
 gcctacgatg ggtgccagta cttcgagtag tatacgatgg tcgatccac aatgatggtg 480

<210> 14129
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14129

ccggaaaccg accgatgaag aaacaaagaa agacgggacc aacaaccaa aactataaaa 60
 nnnaaggagg ccgcaccgan actcnaannc anagnacgag ganncaaaga aaangaagaa 120
 ggaaaaaatt ttgaaattga gggaaaaang gaggggaggg ggaaaaaaag gaccagaaag 180
 gaggagggga aagaaaagg ggaagaggag gagaangaaa aaaaagagga gaaangaaga 240
 naaggaaaaa aggagaaaaa aaggagaaga aaagaagtng gggggagaaa aaaaaaagaa 300
 aaanaagagg nggaggggag naagggaaaa gagagaagga agggaaagaa agagagaggg 360
 ggaagaaaaa aggaaaggaa agagaaaaag gaggaaaaag gac 403

<210> 14130
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14130

agannaannn ggagtgtga tagcattctg acaacatana atnatgcgga acganangng 60
 acgcggggcg cgggaggttt gccttcaact agacagacca ccggagaagc gggggtgcaa 120
 gtaacgaatc attcaaccaa taccactggt gccatgtctc ttttgagacc cagcccaacg 180
 gaaagctccg cgaaagtctg gaaggaccct cgcgggaagc attaaggaaa aagccttcct 240

ggatacccag aggggggagct gctaccaccg tacgataact taacgggggcc cctgggcgaaa 300
 tacatgagat tacattggga cgacccatag tacgcaagaa tgtagcttcc ttgaaagcag 360
 aggggacacc ttctctgccc aaaacaaaat taccactgc cgattccatg gaatcattgg 420
 agcccctgtg aagcagggtg aagtccatta aagcctaa 458

<210> 14131
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14131

cgcacaaaa caaggaggag cagggaacga aaagcaaata acaaccaacc acaaacaaa 60
 aaaggggggg tgcttgactc caancacacg cccgggacn aaaggaacgg gagaggaagc 120
 ggaggattag gggacccccca cagggaacag ggcacggcga gggcagcgac cccacccaac 180
 acacgaagca ccccaaggg ccacccacg gaccacgagc ccacgacccc taaccgaacc 240
 accacaccgg gacccatcaa gccccccaag ctttcagaac aaaccancaa agcaaccacc 300
 aaacatcatg aatatcagaa caagaaacag ggcagggcag aaaatctgcc caaacacaac 360
 caaaccacag cttccgactc aaaaccacaa aacatacag gggccaaccg gcaacgagga 420
 acacccaaaa atcacggaag cccaagaaag 450

<210> 14132
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14132

aagaagcggg aactangcat cngcatnaan cantagaata tnaatagctt anactgcctt 60
 cgtccctcng ccgagaatac atgatacgt ctgcctttat aannggnngc canggaagt 120
 angggcaagc cttccaaacn tcttaccaga atgctggggc acctggggcc tccttcacaa 180
 cctttaacaa cacaacccca agaaggctcg aacctaataa ttacctccac caccaaaacc 240
 tgtgccgggg tttggtgaga cgggtccata taaccctgag aatccccctcc ggtggaataa 300
 taccgagaac ctccctgggt tctcttacca acacctcctt ttaacaatcc ttttcttccg 360

aaaggccttt ggccggaaat ctttatcaaa ccgtgggggc tccgccatct ggttcctcac 420
 cactttcctt tcccttgaca tcgcggttg actgtaggtc agaagcccac acacgaccct 480
 actgtcacc 489

<210> 14133
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14133

cacaacggac gaacccgaga agaagcgaga gccagacgaa caacgcatan aacaacnta 60
 tacaantaac tncacactca ccacaaaaaa aannaaaaga nnaaaggag cgtcgacccc 120
 gtagtacacc nnaananaan ananannngg ggaannnnna aannnaaang aaggaagaga 180
 gacaagattt gaaaaaggtg aaaaaaaaaa atnagagagg ggatgggttg aaaaaaaaaa 240
 ggaacatgaa aaaagtaggg gaagtaggaa aaatnggggg aagtaaaggg gggggtgtga 300
 aagggggaaa aaaaagaagg ataaaggggtg atnggaanga gggcataagg aagaaaggga 360
 gaagatgtga gggatntaaa aggggaagaa aggaaggaat aaaaaaagaa aaagaaaata 420
 aaggaggaag atagaggggg gagaaagaaa tagaagagag gaaaaaagaa aggggaaggg 480
 aaaaaaaaaa aaggggggaa tgaaaaatgg gaaagaaaag aagaagaaaa agggaggagg 540
 aaagagaaaa gggagagaaa gaaagag 567

<210> 14134
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14134

gaactactga tgaactcaaa atcagactng acccgagctg cgagcgggtg ttattttaaa 60
 ngaaggcgtg gaattacgtc aaatatcccg atgttgcgga agtttactta attctaactc 120
 ctataatcac tctttggagg ccatcaacta cgtaaattga attattaaag tgagtcattc 180
 acattagttg cccgttgatg gaagttacct tttatggact cgtaattag ttttaggacc 240
 cacgctggtg aagaaaacga ttctcactgt g 271

<210> 14135
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14135

ggactgtaca tacgatcgat nnncttgnan anacnanagc naatnacagc gcgataccct 60
 agagncgacc tgagggaggg caagtcttgt tctaaatttt ttggncncac gcaagggcgg 120
 gatcgagagt ccccttatcc taagactaac acacgtatatt atgcttggtg tgcaaccggt 180
 aactcaacg tggactgtg cctatgcaga gattcaattg cctacgaaaa ttatagtacg 240
 agcagatcac atatatcaga taacttcac agatctccat ggacgaagta tgccttcaca 300
 gctactacta ataagtatcc acagacgcac ttaaataata ttaacaccgc acttagagta 360
 agctacctgg gataacagca tgggtggcctc ccggtaacca tatcaacca tatgggtacc 420
 ttgtacagga aggggaaaaa ttactacgag gagccacaat t 461

<210> 14136
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14136

naatacatag atgttntacc ctgnnatnng atanancnnc cnnnnnnnnn nnnanagaga 60
 aagagacaat tttgtttctt taccacaaaa nggggggggt accttctctg ccattgttga 120
 ccttcattn ttcaccatgt atacttctc acattgtctt tgttgtaaaa ttatgttaac 180
 atgattcttt agagtttcca ccgattaaac ttgctataga agttagatct gatgttctat 240
 tggtcatact tgtttgtctt gtacttgaac catgaattgc gttgagtta cgctccttg 300
 cagttgccct gtaatttttg tggctgaaac ctaaccatat attcttaca attattaagt 360
 tgaataaacc tctaaatcta catgacttgt cacctatggg attttgtcta gaagtatgtc 420
 tatcatgaac ttgaccatag attcctatgc tggcctaatt 459

<210> 14137
 <211> 307

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14137

actttttgtt gaaaaaagan acaaaagatg gagataggtg catgaaactg aagagaatag 60
gaaagagtta acttgaagtg cgctcataag ttttcttcat cacagtgaac ttgtgaattc 120
atttacattt atgtgaatct aaaagaatat tccagaatat ccaaagcatc tttcatatac 180
cctttaatgc cacagcatgg aagtgtgctc tacacatggg aagaagaaga aattggcttg 240
ccccaggaa aaggaggcaa aatcattggc tggggagtca gtctaataatg ctagatctcc 300
accctca 307

<210> 14138
<211> 284
<212> DNA
<213> Glycine max

<400> 14138
gaccattggt accaaggcac atgtcacatg gaatagttaa atatatgaaa atccgtaagc 60
ttagtatctc accttctatc cacccttcat aaaatctctc caactggata cctgatgatg 120
aagtgtgtta atgtacacat cttcctttat gtgtgtgggt ggggtgtgtg gtatcttttt 180
atctttggaa agagataaaa tactgcatgc aaacaaaatt cactaatctt tttctctctg 240
taggctagta agacacttca aacaatgtat cttactcatc aatt 284

<210> 14139
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14139

cacacaccga tcgcaaaaca acgacggccg agacgcaact caagacgaca tcaggaagac 60
aaccanactc actataacca acnaaaaaaa anaaaaaaa agannggaga ggaacgtagc 120
cgtagtcctt cganaanccn ccaananngg nacnaggaga nccannagag angaacagaa 180
cgcaagcaag cggattttat caagtncaac aagggggcga aacggcgact tgcagggcta 240
aggcactaga ggaagcagcg gccacacacc acgacaacca gagaagaccg aaaaaaacac 300

ccccacgccc acggccgacg aggacggcat tagcccaaca aagcggcgca aaaacgaacc 360
 caaagaggac ggcattgaccc gcccctgaac aagagaacca aggaccgaac caagaagaga 420
 acgagccacg cacctcanaa acccgagggc gaagaggaag aacaaaccaa cgcagcacga 480
 gcacaaatga aagacagagg gctcaaaaag aacagagcga agagacagag gaaacaaaaa 540
 gcacacacag agcggccgcg ggaaaaaccc aggaccgacc gcgaag 586

<210> 14140
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 14140

tgtcacgagg agtgtggcgg tcacattcat aacgaacgaa ctgatttgtc gatacggact 60
 ccctaggaac atcatttctg acaatggcac caatctgaat aacaaaatga tgcacgagat 120
 gtgcggggat ttcattgatcc caacatctaa ctccaccccc tatctgcaa ag 172

<210> 14141
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14141

acatacgtag cccagggttaa aactacnntt aatnnaantt tccangaagg gatacagtaa 60
 agncgaagag aaggaagcaa tcnatgctta ancccacaac aatcggagga ttgataaaat 120
 gaaaaccatg attattgaca agttatacat acttcttgaa ggaaaaaaa tttggnataa 180
 tagcgcgacc accacaatgg atgagataag ngttgtatgt aattttatgg cacttccct 240
 tctttcgta gattgaaaaa tgattaatta ataaacaaaa atttgagttg gggtttgtat 300
 taagagagta gattttcaaa atagtcatag aacttttatt ggtgtaattt taaaatattt 360
 gaacaagtgc aatgaatatt ttataacta ggtatacatt agaaaag 407

<210> 14142
 <211> 372
 <212> DNA
 <213> Glycine max

[illegible]

<210>	14143
<211>	336
<212>	DNA
<213>	Glycine max
<400>	14143

tgtttgctag	cttctatttg	gagttaccaa	aggaacagtt	tggtcacctct	tgataaggaa	60
gccaccgcaa	tcaatcgatg	ctacggaccc	aatttcgaga	tagcatggct	tattgtgcct	120
caagccatcc	gccaaataaaa	cccaatagat	aacatataag	ccccttcagt	ttccttgttt	180
cgactttcga	ttacaattaa	cgttaataat	cctccctccc	tgtcgtaata	atctttgtgt	240
aaccaaaaaa	atcctaaaat	aattattatt	ttaatttttt	aatgcaataa	tacttatttt	300
ttaacttata	tttcctataa	tattaattac	caataa			336

<210>	14144
<211>	306
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      14144
```

attttaataa	acgggggaat	tgctttttat	tgcaatagct	tttaaaagta	actaaccaca	60
tgaaaataat	ttaatctttc	aatgatagaa	aaaaccgtat	aggataagca	ccttacattt	120
tatgctcaaa	agtcaaagac	tttcctttct	aaagagtgca	natcgagatc	gttttaatga	180
tggaactata	tatggttcta	catttcgagt	ttcatattcc	attatagtac	tacattgttt	240

attgagagaa gaaatatata gccatatata tatatatata tatgggtcaa ttttcaacct 300
taacat 306

<210> 14145
<211> 368
<212> DNA
<213> Glycine max

<400> 14145
accgtattat ttaactgtgt actctgagcc aattccaacc gacattactc tttacctcgg 60
agggtccgatg gagcccttaa ttaatttcag acgctcgaaa atggaaacgc cagctcttag 120
aaaaagtcaa cgacgataac ttttaactcc gatgttcgaa tgagccctgt tatatatcga 180
gacgcccaca aagaaaacgg agccttagga aaatcaaaca caatactttt actcgatgtc 240
gatagtgtcc gaagatatca gagctcgtat tgagacgaag ctttagaaaa ctacacaata 300
cttttactgg tgtcgatggg cccgaaatat cagagctcaa ttgaaacgag cttataaagt 360
cacacatg 368

<210> 14146
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14146
nnttagaagg cgaaacgaca ggcttagcat ncaacnaagc tttattntaa acaccaangg 60
tttcgatata taccggaaaat ctttcgaact tcttattaaa aggtatcggc gggttggtatt 120
tcttaaaacc ttagatttca attccagcct tctggtacac ctccaggaac catccggcca 180
ccgaatccaa aggtattggc gggttgattt gcttaaaacc tccggtttcc aataccaacg 240
tctcgaattc taccggaccc aatccgacat tccaatcaaa aggtattggc gggttggtatt 300
gctcaaaacc tctattttca attaccaacc tctcgattat taccggacta attcgacctc 360
caataaaaat attggctttg atttttctcaa actccgtttc aattcagcgt tcgattacac 420
ggacccatcg acctcagtca aagtattgcy ttgaattctt cacg 464

<210> 14147
<211> 135

<212> DNA
<213> Glycine max

<400> 14147

tggaccaata tcacaatcat ttacatgggt ttccaaatct tctatttaag ccccttcaaa 60
ccccctctct tcctttaatc caaacctaaa ccttaaaaaa accaactctt tctctctctc 120
tctctaactt ccaaa 135

<210> 14148
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14148

naatccggaa gtcagcctgc agtacatgca cattcagcac gaagctgcat gcntacggtt 60
gcgcacagga taaaattgtg acgtcctggg actctcccta tatggggcgc ggggttatac 120
ccaggagcta ctcacactta tattggaatg acattttttt ttacacaata ttgtaatgac 180
ctgtgaaaaa ttataatta ttatgagaga gaatagagcc tcctccactt tatgtgttat 240
atatcccaa ctccacacg ggaataacac ataaaagaga gattggctct ctccatacac 300
gtgaaaagaa aaatatgttg ggaaaaaat tatctcataa tttttaccgg ccaagtatta 360
ccttttttaa aaaaaatcct cacttcataa cctcaccata gagaatccat attatccctt 420
tccgaatccc caaatccttt acagaatgtg tgatacaagc acgtc 465

<210> 14149
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14149

ggagagtcgt gattaacggc aatncaacac gaccgggagc cctaaggcgc ccgcaggagg 60
ggagcgctgt ttatttacac ttctcacggg aacgaaggag ggaacagggg aatccattac 120
ccagagcaaa aaagctctat ggaaaaacct attgcaaaat acttcaggcg ctacgaaagg 180
gtggaaaaac acccaatacc tccttgaggg gggctttcct agatccggga accttggatc 240
tggacaacac gaggatcctc ggatctggat ctagaagccg gatctcgatc ttgatgctgg 300

aactggaact tgaacgtgaa ctagacctag atcctgaatt ggcgtgacca atcttgaggc 360
atcgggagac ttatgtaaca acggggaaca tcaaacagct agaacaaccg acgatcacat 420
gatcaacgca g 431

<210> 14150
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14150

agaggtgggc ttcnacgata acantcattt aatgcttngc tgttacgang tttanagaga 60
gaaaggtcca agttctaagt attcttgaaa aattaaccgg tgggagaatc agcgagacaa 120
aaacctcgag ccgaagcccg tcttgaaacc tggaaataat ttgggaaggg atgggtgaaac 180
ctctgaggtg agggaaactt ctctcccact gtgattttgc gcaacttcca tctggtcttc 240
ccctgggtgg aaaaggaggt tcccggacta tggaaggcta attcctctgt ggaatcttcc 300
gggtaggtcc cggaggtaaa tatattccaa tctatgaaag gatgggttgg gtgtcttcta 360
tgctaactgc ttatcattcc agatggcttt aaccttgaac acttagatgc atgcttggtta 420
ggggcatcca cagtgggaat ggactgattc taagtccctg aagtatagac taattg 476

<210> 14151
<211> 299
<212> DNA
<213> Glycine max

<400> 14151

aaaaagctac ttctcgatat caagaccgga tcttaataac cccggtggaa cttttttaat 60
aataaccagc cctggatgtt aaccaaaatt tttttaattc aaggcctgga atttttatag 120
cctgctaataa ttaacccca acgttttttt ccttttaaat actcagtttt gacaggaact 180
gaacgatcgc aatcccaata cacctacctc acccacgtta ctgggctaac ctatacttgc 240
taaaaaatat acttttccac aatgaagact cggagagatg aggacttcgg gctgggtcgc 299

<210> 14152
<211> 485
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14152

aaaattatatt caagtaccga taactntgan attaagcang gacacagagt cttcattctc 60
tacacgaggt ggtggtgtgt tcctttgctg aaccggaaag ggagagaatg gatacatgac 120
ctatgacccc gatttggtca ctatcggata gccataaaag gtgcctttga gattggtgat 180
ttggagtgat gttgtaaaaa accacaatgg gtttcatctt ttgtgcctga atattgtgcc 240
tgagggcgta tttgtgtttg taccgtgtgg aacacagttt tactctaacc aaggaccaat 300
attgtgcata tatttactct tatctaataa atatttatat attataaata ttaattaatt 360
aaataaact ctccaattat tatttataaa tataaattaa tccgtttacc tttatatag 420
tcatgcgccc gagaaaatgg attaaattat taccatattt ttttaatatc ataaatttat 480
atttn 485

<210> 14153

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14153

gggggnaggg ggcggggatt ttngatntcg ttanttnaca acnnnnccga gagactctan 60
agcgaccctg aagagtgcga gcctgagatc attctcaaac tctaccnngg nnnngggcgc 120
tgttggtata gcgggggaca cccccctta cacacgtgga tatatacggt atttcgcgcg 180
ctcaaaaact tgcctatcgt gctttgaatc cccgttaccg gccggaatac cccaatgggt 240
tttccgatta actttttgct gtctgtagaa gaaaagcctg ataacacccc gagactaccg 300
tcgtctttgc gccttcgtca atccgggcga caaccggtg aacctggaga tttacgtatc 360
tttcgcgctc acaagatttg tataatgact ttgagcacgc tgcggggcga atcacgagt 420
gtattcgtat aactttttgt gttgaagaca aaagcctgat acacgagaga atacgtcg 478

<210> 14154

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 14154

gtaacatcga cggtagacga cacttnaaaa taacanngct ggcaaanncg attcggagaa 60
 tgaagattat tattcttggt atccaatata ngtattggga tatcgaatac aagcccaata 120
 agccctctgg tgategatta caagatgttg taatcgaata caagctggct gttcatgtgt 180
 aaaccattac actaaatggg aatcgaatac cagagcctat cctaagctaa tttctaagaa 240
 aatatacata tttagggtca aatacattct atatgaacta atttcactac taatacacca 300
 aaatcaatca ttcaattacc atatatacag gaaatcatta attctatcat tagaaccaga 360
 attccaacaa gatcaaacca aataatctac catcaaaagg gaaaaagtaa tcaatcatca 420
 atcaccaatc attcctatct tctaattctct tacatcaaaa cctattcttt 470

<210> 14155
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14155

ggtatgatga gtggagggag aaggagagat gaagcacgaa aatttatgcc ctaaattgacg 60
 tctgaaaatt gaaatggaaa tcttaaata atcaagggtta aagggttaaaa aaatccatcc 120
 ccaaggcctt atttataacc ctaaattgtca cacaatttgg gaggggaaatt aaaattctat 180
 tcaaattcat gtgaatctgt gaagctaatt ttgagccaaa atttcactaa ttatgattag 240
 tgaactntag caatggttca acccaactat ccaagatcat gtncaagatt ctncactaag 300
 tgtgcttang tgtcatgagg catgtanatc atgaaagaca tgtacaacgt gtgactatat 360
 gatgtgacca tgggtgtagc angcaaagtc g 391

<210> 14156
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14156

ccccctctaa acgactgaca nntantgnc gtgacntata gantactcaa gccttctttt 60
 ttggtcctta atcatttggg ggccaacctt ttgttcttat tgtaagaatt cctaactcct 120

tgggaagggga gctcttccca agtgagaatc aatggcaaag ctctcactcc tatagaaggt 180
 gttaagcctg gtcaagccaa accagtgtgg gtattttttt ttgtgtgagg gcctaaattt 240
 tcatgtcaaa tatatcaata gggtttgggt attggatgcc atttttatat ttaataaaac 300
 acattgaata tgtgggtgaa tatttaattt gggatttgcc tttcaaattt agtggaacac 360
 tttactttta aaaaagtctt atattgtttt aactctatca aagatcattt ctttctaacc 420
 ttcacatgtt tcaattttcc tctccaacct ttogacccat cntctctttt ttttcatcca 480
 acagtagttg ga 492

<210> 14157
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14157

agcttggttt gattcggctc gacaagggat cgaggtttag taattcaggc tatagcatac 60
 aacacaaaag catgattgat tagagaaata tatttatatg catcaacttg tttgttagaa 120
 agacctacca tttctaccta ctgctgtcac ttttacttac ttatgcattt atagttttta 180
 gcataaaagt tagtttaaatt tctgtttgaa ttatcaatca tacatgttct ctcaacaatg 240
 cttcattatc aatcatactg tagagaatcc gtaaagcatg gaatacagtg gaatggaaag 300
 ataaggagct tangggaagt agcaatggca tcgttggtgg ctatcacaag t 351

<210> 14158
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14158

tacaagccta gaaaagtgct tgggaccagt tgggtggtcc tgaatatacc ctttgaaaga 60
 aatggcaaaa atggaaactg gggtaaccgg tgaatggtgg attaacccta acacctgggg 120
 ttgaatggaa ccaggaccaa tagggcttgg ggtgatgac ccttcctaatt atttgcattc 180
 ctactagctt atttcagttg tgttccttga taatcatggt cacatctttg aaaagctgca 240
 tgtcttgtga gaagtgtgga ttgaagcatt ntatgccatt catttcatgt gattgaatta 300

tntggagcaa acaccttgtg aataaccact gtgattntgt cacttgagga caagtgagtt 360
gtttttct 368

<210> 14159
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14159

agcttcttat ttaagctggt aaataagttc ttagaagtgt ttaattaagt tagttagtca 60
aatatatcca aaagttaaaa aggacaaacc ttaaatgcag ttccaagggt aatggggggt 120
gctctccaat tggaatggaa attcactcca gaggtatatg ttgcccttaa ttgtgaccct 180
tattacacga aatatcaaga tgaaactccc atttcattag agacaacacc aaagcatcta 240
agaaatgctt taagtctgct atagctctta aatctttatt ttgtgggtgc atttaactgg 300
acaatgtttt agttgctgta atnntatgaa agtgctgagt ctcttggtga tga 353

<210> 14160
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14160

tcgattatca aaaccatgta atcgatacac aaagcttttt atgaaaggat atgaatcttc 60
acaattgatt ttgaatttca acgttcatat acactggtaa tcgattacca ataccttgta 120
atcgattaca ccattttgaa atcaattgga acgttacaaa ttcagttgaa agcctttgan 180
atcaaacttt gccactggta attgattaca ggaaactggt aatcgattac cagagagtat 240
aaactctggt aacttagaaa aatttgagaa aaactctttt gaaaaacaaa actgtgctat 300
gtttgttttt ttgaaaaatc ttttcaatac ttcccttggt aagtcttctt gatttcttct 360
cttgaatctt g 371

<210> 14161
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14161

agcttttttta taaagcctat caggnatgcg ccaagggcga ctgttccatg gctctatgga 60
ccctgcttca aacccgaaat agtgccttct ttaatagaaa cacctttgtt tcatctcctt 120
ttgcaacaaa gccttcaagg tgctcaacat aaatctcttc ctttaggaag ccatttaaaa 180
aggctgactt gacatcaaac tgataaatct tacattgggtt tgggttgaat agctagaaca 240
ttctgattga tctagccttc aactggagca aagtatcaaa taatctactc ccaaacttga 300
catacccttt accactacat tgcttata 328

<210> 14162
<211> 639
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14162

ntagattaat tgcttgnacc aggtttannc nggnatnanc tntannanna atnaaancca 60
cnnngacgcn tnacanaaga aacaacncac gcgcctgcac acggagaagn gatcttttat 120
gtgtttgtat aatgananna aacnntatca atgnngcgatc cgcgttggag ttattgttat 180
aatttatctc ttacacgtca attcatttaa aatatatann aaactacata tatactttat 240
tcaaagtata taagataatg gatacctaatt nnngtgtgtt ctggaaatnt gatgggtgtt 300
tttataaaag tagcatcaga tatctgcgat tgtcattctt atacaacttc angagcaaac 360
atgtnacta acatctaaga ctnttttcaa gtgaccaacc tttaattattg ttttatgttg 420
cgtcacccat tcatatatca tacaccactt cttacaatct cttcacaata tgtaaataac 480
agttcttcta catgtagatt cattttacct taatgaaaac ataccattaa cctttgagaa 540
ataagngggc tgatggatat tnncaatatc ttaacgaaat tacttctata taatttttat 600
aactgttaga gacctatgta agtaacgtta atacttgag 639

<210> 14163
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14163

tgctttcttc ctttgggcca tttcctgcga aagcaaacat tnggaaagtt agttttacca 60

agtgggacac tttactctta anacanaaaa tgacatacaa ccttcctcca ttaatacaaa 120

catcaatgta natttagagc aagcctattg cgcataatnc cctacgaacg ttcacttgca 180

caagacatcc tattaactaa gaaaaatgca cccatataca atcaaggtag cttcattacc 240

tagattattht acatgtactt ccaagggtgta tttgttattt acatcacaca cgcctncttg 300

gctaaattta catacatgca tactcaaaac atttcgggggt accaaaaatt gcacatgcgc 360

tcactctnggt atttctaata cctatacata t 391

<210> 14164

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14164

aaaacgtttc ccnaacttc ngcanngcat anctgganac tatgantact cagccttctt 60

actgaggtcc gatccaggct aatattaaat caaacctcnc aaaataaacc atcgaagcct 120

cttgagaatt tcaatgggcc aaacctttca caccgatgtc tgatatcggc gccttatatg 180

tccattcgct tgaaaatgaa ccacggaagc ccttgagaaa atcaaattgt cataactttt 240

caaacggatg tctgaattcg gcgcataatt tgtcgagacg cangaattga caacggaagc 300

tctcgagaga ttcaaattgt cattaacttt cacacggatg tcagattcng gcacataata 360

tgtcgcgatg ctcggaattg aaccacggaa gctctcgaga aattcaaatt gtcataactt 420

nttcaaacgg atgtccgatt aagggtgcac acatatagag acgctcgaaa atgaacaacg 480

gaagctctcg agaaattcn 499

<210> 14165

<211> 67

<212> DNA

<213> Glycine max

<400> 14165

agcttgctaa ccaaattgctc accactacta aaggagaagc cttcagggtg tttaataaaa 60

ccctcct 67

<210> 14166
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14166

atgcatggaa aatgtaatta tgaaattgat atgcccgaat ttacaccatt tcctagttaa 60
 ccatgcatta ngtaccatgt tcaattatgt tgtttttaag tgaaatgggg ttatgatccc 120
 aacatggttg gctcgtggtg cctaacacat gaaactaaga atgtaatgtg aagtttcacg 180
 cttccccctt ttttgttttt gttttgtaga ggaaaaacac aggatgagca aacatganaa 240
 caaatggtat gcaattntgc agatcaaaaa gtttggtgaa cgcatatgca tgatgatgcc 300
 atgactcatg caaaatgtga ggccggaata tgataacgga caaatgcagg atatgtccat 360
 tatgatgtta tgaagagatg cttatgcgat gcatgatatg aatg 404

<210> 14167
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14167

ggagaaagct aggaantgct ngattcagct cggaccggg atnctctaata cgacctgagg 60
 cgtgcaagcc tatttatgtt tatgctcaac aaggaggcgc gggagggtccc caaagaaaat 120
 agaaacctta gtttaaaaagg aacctcttct tccttcataa ttttgggcat gagactaaaa 180
 ttatgactta attaggaaca cttatggatc ggggcatatc ttccaaggag ataagctttt 240
 ttctttctaa ccggaaatct tctggcgaat ttctattatc ttaaaaaaga ccaccatctc 300
 agtggcaggt ggccatcata cattggacca ggagaatctc tcttctcttg gtgagccaac 360
 cccttaattc ttgtcccaag aattatgaac cctaccaaga cag 403

<210> 14168
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14168

aaaactcna taagggctag cagcgtcgca tanctactaa gctggatact tacaaaattt 60

ttgggatgtg catctcgcg ctatttcaat catttttaac ctaacgccta tccctggggg 120

ccggttgggc ctaaccaacc tggacctcct aagccctatt aactaaacca atttttggaa 180

ttttgccttg gcgctacgcy ctaactccaa ttgctaccgc aattggtggc ggttgggaata 240

aggctaagca aggcttgctc gttaagccca ataatgccta gaattcaagc cgggctaagc 300

aacaaccttt cgcaaagccc tggtttaaaa cggtttggct ctgagctaag cgactgctaa 360

tctcgcttag ccaataatgc agaaaaaatn tctgtcatac tcgcaaagc acccctgtgt 420

gctagccaat gaagtattct cataacagc ctangggaca tgctttcctg acggccctaa 480

gcg 483

<210> 14169

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14169

nnaataaaact ttcnatatct gcgactactc tagtacgcgg cgatgcataa gtnaactgag 60

agggtgccaac cgatatttgt tcgcccccaa accataacct tcctttttaga gtacatatat 120

cctggtaatg tgagaagaac cggtttctctt ggtggaccgg caatttcccc caaacgggct 180

ttaagaagaa ccattattac caccctggcc aacatgggga ggttgggtgga gttattattc 240

ctgggatgcc attatttggga ccaataaaaa ttaaatatcc ttaatcaact tgccaacaaa 300

tatttgcattg tgtttattta gaccatttct atatcctata gtatttgata tttaatgaca 360

acaanaatta ggaccacata atattaatat taaaaacgat gatcatttgc ttgactatgg 420

ccatgatact gtcatgaact a 441

<210> 14170

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14170

aacttttttg aattcgnana gtaganctgt gananataaa gcccaaacac atggacctgt 60
 tgtcccgga ttatgcaacg gactcttatt agaataacag gcctggggaa tattggacgt 120
 tagtattgcc gctataccgg cggaagaat ggtggtgggc ctaatgggtg ccatggaata 180
 ataacctggg gaaggtaaaa tgggggttga acctggaaaa atggattttg aaggaaaaat 240
 ggaattgggg ggaaaaatgg gaatgggggg taggattgga accctactaa taatactccc 300
 cccgaacca acctaactct caaattaatc ctgatgccc ggcacaacct ccgtaaatac 360
 ctgccccatt atgcccacn tcaccataat ggtcacaatt acgctgagaa atatcgacat 420
 aagcagccg tacgccccg cctctcatca tccctcctc agctcccat agccctccg 479

<210> 14171
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 14171
 tatgtgtcta tacacatgtc cgcgaaaaat ttataaatTT ggccatataa ggctcacggc 60
 tataaaattg ggaccaataa tcattacctg gacgggggac cggtttagaa gcattgttat 120
 tctgaccgag attgatatga tcatggtcgt gccactcctg ggacctgacc tgtttcttct 180
 aataatataa tcattgcctt taaaaaatca tatagtgaag gatccctgta atagaaataa 240

<210> 14172
 <211> 158
 <212> DNA
 <213> Glycine max

<400> 14172
 taacttataa aagtttacct attatttctg aaaactttct tttcttttt accctaaatt 60
 tttgaataca ccaatgtatt cattgggttga acctaatacc ctaaggttta accctttca 120
 tattattttc cggaaaaatt aaaatttttt caaaaatc 158

<210> 14173
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 14173

ttccatagag gagggAACCT acgtggccta ttttttatac ctccttaata catgttggcc 60
 attacaccta tatgtctact tgtctaaatt ttgggattat ccgagatgag ttgattgatc 120
 tacaatttgt gaacttgctc attcaattgt gatcttgagt gtgactttct atttgataa 180
 catagagaga tgggtgaagta gagtgaactc gaagctctct aataatattt gcatgttgga 240
 tataagccta acagattact gagttaattc ctaatgccct aatgtgagtt ttacatttga 300
 ataaatgg 308

<210> 14174
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14174

aaattttgcc ttgacgacc aactnanat ngagcangnc canagagatc cagganggat 60
 aaagcggccg aaggacttan ttttcnttcc caatttgaca gcattcgctt taggacctct 120
 aaacacaacc accctccta ggccataaag ggatggcatt tcttcggaa ccaacccttc 180
 caccttaggg ccaacaagtt tcccatattc aagaagaaaa tacctcgccg cgctggcct 240
 atattgtcaa cccattggc caagtccaac caaaacttat cctcaaatt tattccatt 300
 gctggcccta cagaagaagg cgtgccaaaa tattaggctt gggttgaggg gcagtggatt 360
 cccttttgat gcagatgcta tcgcccactt cctgngatat ctttatatgc ttgaaaaggt 420
 caagaagtga agtattggcc aaagaggacc cgggccatgg ttccatatga tgccatccca 480
 ttn 483

<210> 14175
 <211> 54
 <212> DNA
 <213> Glycine max

<400> 14175

atatacatat atatatatat atatgtatat atatatatat ctatatgaga aaga 54

<210> 14176
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14176

acacgaatga ggaagtgtna angggtgaag ctgccggcta tttttnttt cacttagagg 60
 gacccgga aa taagtgcg ggttaagaa aaccttggga cctcaagtgg ggtgctattg 120
 gccaaaacca aacttgacca atcctgaacc aacctgggcc taatccgtca atgaaaacct 180
 gtgatggacc ttaaccagcc aacctctggc agtccaccag ataaaggac caagaacacc 240
 aaaccaggag gcttgtggtg gcttgccaac tatgaacctt gatgatgtgt gagatatggc 300
 cctcttgtaa tcgattacca angggtgggt atcgattaca aggcttaaaa atgaagacag 360
 gaggctaaga tggctctctg taaatcgata ccacngngtg taatcgatta ccangcttga 420
 naacgaggtc aagagctatg aaggcttttg gaat 454

<210> 14177
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14177

ccaatcttct tgtattccta cttggaggga tctggatacc gctttcttag gcaatatcag 60
 tccaatcttg atttgcttct ggaccgtctt cactggagaa tatgttcaaa aaagaggcga 120
 aacctttaag aatatgcgca cgattgaagg atttggcggc acaagttctt cttccatggt 180
 ganaggagat gatcacatga tggggacact ctgctgtgtc tctatgagaa cttgtaagta 240
 catgccgcca ctttcggatc tgtgtttgcc gggaagattc aggttgattg aaagaagaaa 300
 attgattcgt ttctcacaaa gcgattgcaa aaaattcggc accgggcaaa aggatgatga 360
 atcccttcn 369

<210> 14178
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14178

aaactatatt atctacacca aaggagacact tctctatatt tgcataaagg gtgtttttcc 60

taaagactga aagaacttgc ctgagatgtc ctaagtgatc atctangctc ctactgtaca 120
ctaaaatatac atcaaaaataa acaactacaa atctacctat gaaatccctt aagacatgat 180
gcataagcct cataaagggtg cttgggtgcat tagtgagccc aaaaggcatc actagccatt 240
catacaaacc aaacttggtc ttgaaagcga ttntccactc atcaccctnt ttagtctga 300
tntgggtgata accactttta 320

<210> 14179
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14179

atcttgtgtg acacacttta nagttcaact tctatcccta tctctcttca atttccactc 60
tctctctttc tctctctctc tctctcattc tcttctctca ttgaagcttc ctctctaagc 120
ttcttatcca aggcactctc ttagtggtga agcttctctc tcatggctta ttctctagtt 180
gatggtagct cctctcacct cttctccttt atcttctgct tgaactccat ggcttaaaat 240
caccattgaa ggacctcatt gaagctcaaa gatccagcct gcatagaagc ttctcaagca 300
agcttccatc aagtggtaat caaagca 327

<210> 14180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14180

tacaaatctg ttttaagtcc aagcccataa ataattttaa ttctagataa gataagacaa 60
aatctagatg aattaatatac tagatgaaat aaaatctaga taaaataata tctagatgag 120
ataaaatcta gatatgataa gataaaatct agatgaaata atatctagat aagataagat 180
ntggtagcat aaaattgtct gctctcttca agtccaagcc caattccgga ttcaaaccba 240
attgcttant aatttcctga nattaaatta aaaacacaaa attaattccag taggcccbaa 300
tgataaaact gcataattaa ttgacaatt aaggctaata agtaattaaa atgggtgacaa 360
aaaggggtaa gaaatatgag aaaatgatga cacatcagga cgacagcttt taattaaatc 420

cacaatacca tgacttcaga atggtttatt

450

<210> 14181
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14181

agctttatatt ttgcttaata tatcactttt tagttgacta tttttcttat tagcttccta 60
ctattagtgc aaaaccattt tgctatngtn tcatgttttt tttgctcgtg ttgtgggttt 120
gaatttgaaa attgaacggt tgtgcttaac tttttgaact atacggtatg ttgttggtttg 180
gatggcacta tatcacatga atgcattntg gtttgcaacc tgggtgtgttt gcaaggggtt 240
gtgaagcgaa ttttaataata aataanatca aatgctttct ctctggttct ttgtatatatt 300
aattgaaaag tatancatat ctatagagta tcttcaatta tacttaaaaa attaagtatt 360
atattaaaaa a 371

<210> 14182
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14182

actggatgca ttggttaact ggggtttctca ttggccttga atcaaaaatt tgtaactgtc 60
gcaaggggnt tgtgggttgt gctcctctgc tgaccaccat acagacctt gccctttcat 120
tgcagaacct ggagcaatng agcagcctga agcttattgc tgcaatattt acaatagaac 180
ctcccaacca cagcagcaaa atcaaccata acaaagcaat tatgacctct ccagcaatag 240
atacaaccct ggatggagga atcacctaa cctcagatgg tccagccctc agcaacaaca 300
acagcagcct gctccttctt tcaaaatggt gtggcccaac agacatacat tcctcaccaa 360
tccacaacag cacaacccca gaacaaccaa cagttgaggc cctccacaa 409

<210> 14183
<211> 88
<212> DNA
<213> Glycine max

<400> 14183

tgcaaccttt tttaaaattc ttaaacctgg ttaaaacata attataagtt ggattgccga 60
aggtatatta ttgaacctat caccttcc 88

<210> 14184

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14184

ttcgtggagc ttacagacca tgtcttttga aatantctat caaccttgta tgcccgtatg 60
gtgggtangg attagcnnac caaatgagca cccctgtgga aatcgggtcta caaacactaa 120
tatcatcgtg aaacctcgtg gattattgca gcccctatta ttgaaatcga ggacaaatct 180
ttccatatgt gggaaggat tggaaaagagg tgcagcaaac cggcagccct tctttgttcg 240
tattttgtct gttcgcacga aggacattgc acgatgtact ggcggacatc ttcttgata 300
tgtggccagt caaaattctg tcgtanatga tggagagtct ttgatacccc tgtgtgattg 360
tcgag 365

<210> 14185

<211> 221

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14185

agtttgtttt atcggttatg ctagaccgag accaacaagt tagccatcat catcaagtac 60
caagaagaat taaatctagc cacggcccac gagcaciaag tgggtggacaa atatgcccaa 120
gtgtacgcgg aaaaggaggc tagaggaaaag gtgattgact cgttacatca agaagcaacg 180
atgtggatgg accgatntgc tcttactttg aacgagagtc a 221

<210> 14186

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14186

aatgcctggt gggtagtag aattctcctt ctgtttangg tttttgtgat gatgtttgtg 60
atgtttatat gctgaaattg ctgatggaaa tctgttagag acgaagggtg gaactaaccc 120
aaggttagaa agtgagaatg tgatgttatg agtgaaaaan aaagagttag actntgagag 180
ttggaaggct aagtctgaat tctgtggtaa atggagggtta gagtgagtta atactagctt 240
gaaatgtcat ttagaacatg tgagaaagggt taggctgagc tagagagaaa aacaaatgac 300
caaagtgaac aaagagccat tgctagggca aatttgggtg ttgaagagtn caaatttgat 360
tcggtgagat tntaggtgta aatccagttc gaacaagtct anatggatgt tacggactgg 420
tgtg 424

<210> 14187
<211> 354
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14187

ggttttctag cttctatgac tttaacacct agctgtcagt tgtatgtggc tgtactgtct 60
taatacaggt tttatacat ggcttacaca tatacatgta tatataccag gtagtacaa 120
tgtgcttcac ctgaactgga tataatgaaa catcttccac aacaacacca atggacaaac 180
caagttcaac tacaacagac taattcagct tcacctgaag ttgatataat gagtaatggc 240
attagaagaa ctcacagcca aaccaagttc aagtacaaca aactaatata gctttttctc 300
aaccaaagta tgtcanacta ctttgtggct ataaaagtng taggtattca tgtg 354

<210> 14188
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14188

ttttaatgaa tccattgccca aggatttcac ttaggggttg tttctctttt tatgccaaac 60
aaacttgctt tttgatgctt gattatTTTT ataaataact ttatttgctt aaaaaatgg 120
ttgcgaaagt gttatcttat ggtctctttg ttctctttac attaccctt gttgaatcta 180
aagttagtta tgatgcatgt gatgttttcc aataaaatct tttaaaactt aactctaaag 240

gtggagaagc attttagtga ttttcttatt tccaatagga aagtttacta ctttcttggt 300
 ggtagaaaat ccattctgaa agatctaatac tcttacatag atntctttag 350

<210> 14189
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14189

agctncttgc caaatggaat taccatgaat taattccttg gatagcccct tggagccaat 60
 tttccttttc cttggtttgg aacctataa caggcctaag gggaaaaaca tgattcaacc 120
 ttaccttttag ggaatttggga agcttggaan tggtttggaa taagctggaa taagggtgggg 180
 gggatgggtc atgaagattg attttggcat gctaagtgtt atttgccatg ctgatgatat 240
 atatatgcta agtcttctta atcttcaatt cgactgtcat aaaaaaatg aaaatgaaaa 300
 aaatcaaaaa aaaaatcaag tgcggaatct gcagttcgac tatcaaaaaa aa 352

<210> 14190
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14190

ntgttggtgt ttggacttcá gatntagtgc atgtttggat gtgtnnattt atggaatgac 60
 cacttatatt gcataagctc tctcaciaag ctgcaaaaat agtgattatt ttctcaagat 120
 aaactgaacc aaacatgcgc tacaaagaga aaaaattgct aagggaagat aagtttcctt 180
 agggcttggt ttgataaaaat ttttcaaaaa caattatagg agaagaaaat aagaaaaaaa 240
 tatgtgaaaa agctttctcca taagccaaaa ttaacttatg cataagctaa tttgtagaaa 300
 ctctcatatt agctttctcca aaacttgatt nttagcttac gtataagtta attttagttt 360
 atggagaagc tntttccttg gtttcttctc gtgtaagtgc ttttagagaa gtttatccaa 420
 acaaacccca agtcctaaac aat 443

<210> 14191
 <211> 259

<212> DNA
 <213> Glycine max
 <400> 14191
 acgtaataaa ggctaaaatg aattccaacc aatcatttgt gttgtaatgt catttaatca 60
 atgttaaaac aaaatctaac cgatcggttca cgctataacc tcggttaaac aaaaaaagggt 120
 aaaataataa taaaataatc aaaaaaatca atcggacgtt tttctttgaa agtttccttg 180
 aattaattga ctaataaccc aagtgaacc aaggctaaaa tcaactcaca aatcaagctt 240
 gtcccgcaaa aatcactca 259

<210> 14192
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14192
 ggattacaaa aaattaaaaa aagaggtctt tccaaaaagg aaacccgagg aagtccccac 60
 caccgttatt ttaaggaaaa accaggaaaa acaaaaaggg ataaggatat tctatagtta 120
 agaaaaggat tcggagccgt tattcatggg gaaggatta cactcacacg cccgcatgaa 180
 acgaaatctt aatcgatgtg taaaataagt acttttgata ttatttcctt gaaaataata 240
 tgttgcttat ntttgtaatt agaaagaagt gatttatttt agaaa 285

<210> 14193
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14193
 gcttgcacac ctatattagt tattgtgagc gtctgatgta aaaatacaag ttggttcata 60
 aaaatatgcg aaaaaccacc tatatttatg ttatatccat gtgactgcgc ggatatatag 120
 gatctgagtt ctggaggaaa gaattacctg ttaatggata cctgaatttc atagcctgga 180
 tattaccttc tggctggctt aaaataatgg tgaaaaaaca ttttaagcag aaaaaatat 240
 tcaaaagaat taagtaggta taaagcaatg gcaatgcaat ttttaacata ttatcagctg 300
 atgaacatct atgattcatt cactaaacca aaaattaaan tgcatatctt caacagctgg 360

catgcctttc gtggatcaag cttctctaca caattaatct gtagtacata tgtttattcg 420
gtctcccn 429

<210> 14194
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14194

nnnnngggga cttacgatgc acgcacaact ttgaatacta agcttgcaac aagatgtaac 60
gttcattaac gtaatcaaac tttttatttt ttggggacca aaatctatag tggggaaaaa 120
caatgaatgg gccctatctc ccctatttaa ataatgctct tggaatggat gatgtgcatt 180
ggccccaca catcatatat gggatttccc tgtatgtggc taccctcctt gcatcagtgg 240
aaagatgctg tctggaaaaa gatcatgagc ttgtgaacat atctcttcta ttatacactt 300
gaatttaaaa tgcgcagtta ccagtgccaa aaataccng tgatcttttc gccgtgtttt 360
tttgggtaaa cacttttggc ttctctatc ttaataaacc accagcttgc cttatatgat 420
ctagtctcgg agtttccaac ccataacaat gc 452

<210> 14195
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14195

ggagttactt gatantcggc aattccactc gggaccggg atctcttna gacgcccggc 60
aggctggcac acccggtttt cttactgtt ttccaagggt ttaaattggc ccctcgggtg 120
ggcttatatg ggtctggat taccaaaaaa tgggtggataa naatggccaa tgtggccaca 180
tttcggctac attaaagcca ccgcacctc aggaaacct tgatcttgcc ggccaatcac 240
aggctcagac cattttttta aaccttgcta cctatctatt tagtatcaat gacttaagag 300
taagacttcc gtgaaaatat tacanacgaa ttattaaccc cataaaccag ggacaagtng 360
aagagtagag ggactcccta aaaanatatt agagtagagg gaggaaagtc tttntgagag 420
agaaaatagc ttanggagaa agaaattcac tttcacata ttttgn 466

<210> 14196
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 14196

tgaatccttg aattccaacc atggtaatcc tttgggatga gaatctctat aatatggaat 60
 ttttgggtgg gtattatttc accttttcaa aaataatgag ttaattaaga atgtgcctat 120
 gatgtgaaat aaccttacac cggccctaaa tttaaaatat tgtctattaa ggtaaccaat 180
 ttattataaa taataaattt tgaatggacc atgtgaaatg gttttattgg atccatgcct 240
 aatccttttt ctccttaa 258

<210> 14197
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14197

aaanaacaag gctaagcant cgtgcgaatt ctatctcggn accccgcgga ttcctctata 60
 agtcgaacct gcgcggcggtt gggcacgcct ataattatat tatnntaagn nngctcataa 120
 aaaatccctc ttggagagga gactgcgcta tatcgagata cacctcatat actctatata 180
 tattntataa aaaatatttc cacatattgg attgggccta gatttaaata ttgctatttg 240
 gattggggccc tttggagggg cgcttatccc agaagaatta tattggggcca tttttcttaa 300
 taatgggttta aaccttccaa tattatatta agaagaaatt attgttgcct caaccgcatt 360
 aaaaagattg ttacctttca aagggtgccc tggtcctttt tctttggatt gaaaacagat 420
 attatactat gcaaaggata tncaanatng tattagctta ttttaaaaag aaaaaaatg 480
 gcattccggt cgcaaagtct aacttn 506

<210> 14198
 <211> 654
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14198

aaaaactttg gaggtttgac cgnagaacta tagantactc aagcatnctc gccaatggac 60
 aatgggcggc acaccntaat ctgcgcgaat ccttctgtgt tgcattctaac ggaaagaaag 120
 agacaccgct ccatataata tctctaaaaa atatgacatc tctttactact aaaatatata 180
 tttgtgaaag ggggacaccc tctacacgcg aaatattgtc tatagagatg aactgtcgc 240
 actatagagt atataagttc acttttcaca acacaatata aagagaacga tatntatngt 300
 gttgcgacat cttgagagaa tatcntataa gcgactgggg cntcttcgcg cccacatctt 360
 gagtacatat cctctgcgat acacagaaat tatatatatg ctgcggtatg aaaaacctgt 420
 ggggtgtgggt tntctacacc aactatgtg tcccaaaaca tctttgtgcc gcgtgcgcgc 480
 ggcgcgcgcc cttatacacc ccctatgaat atggagatat aaccgaaga gagagataga 540
 gtaccttctc tcncaaagac acttgatata tactgagaaa aacactataa tatatagggt 600
 ttcctttttt atggaattta tacactatat accgacatat atatagggtt gact 654

<210> 14199
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 14199

cagcctgcat tatttctggg cctcttttca atatacatc cccacacacc ccccatatat 60
 ctctgcgccc agagcgcgct ctatacatat atatctctcg ctctccctt tctttgggccc 120
 atggtcgctt cattcattat ctcaaaggcg tgcaagtcgc catccgaaaa taccagagac 180
 caaatcgccc aagggtgcca agattccgaa attccgtagc cgaaggggtgc agtgategaa 240
 acaaaaaaaaa gagagtgcga gccaaagtagg gtttgattct tatattttta aatatgtgag 300
 cccagatcgg tttaaaaaac cgatgttctc acatgatgtt aagttaacat cgttgtctgg 360
 taaaaccgat gttacttatc ataattaaca tcagtttctg aaaatcgatg taacgaa 417

<210> 14200
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14200

ttttttttct tatgatgggt ccattagaaa aaacctaaga atggcttgga aaccgggatt 60
 aaaagaaagg gacttaaccc ttaccccgat ctggccgtag aaccaacact atcgaattct 120
 taacccttaa acaaaggaaa agttctcaca atagagaaac tctcaacttt cattagtctt 180
 caaactctgt tnttggagag tacaagagtt ccctatztat aggctaactt tgaattgcta 240
 gaataattct gactaacatg catttactgc atgcattgan taatgcatgc ccactaccta 300
 ngaaaatgag aataaacatg aaaattaatt cccgctagcc actaaatgac ttagagaact 360
 tctaggaagc attt 374

<210> 14201
 <211> 159
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14201

agtttttttg gaagctacct agnctataaa tagaagcttg tgtaacactg gttggacctt 60
 tgatgattga aagtctaatt aaatacactt caaagtgccca cttctttcct tctttaattc 120
 cttcaattcc tggtccccgc cttctctctt tcttttcct 159

<210> 14202
 <211> 446
 <212> DNA
 <213> Glycine max
 <400> 14202

ggaatcggac ctcagtgtca aaagttatga ccatctgata tttctcgaga gttccgtgg 60
 ttcagtggcg agcatctcga catattatgt gcccgaaact gactttcgtg tgaaaagtta 120
 tgaccatttg aattttctcga gagcttccga tgtttaattt cgagcatctc aatatattgt 180
 aagcctgaat cggagctcag tgtgaaaagt tatgaccatt tgtatttgtc gaatgcttcc 240
 ttggttcaat tccgagcatc tcgacatatt atgtccccga atctgacctt cgtgtgaaaa 300
 gttatgacca ttccaatttc tcgagagctt ccgttggttca gtttcgagcc tctcgaaata 360
 ttatgcgccc gaatcggaca tccgtgtgaa aagttatgac catctgaatt tctcgagagc 420
 ttacgatggg taatttctag cgactc 446

<210> 14203
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14203

agctttcttg ggccatttcc tgtgaaggca aacatttgga aagttagttt taccaagaaa 60
 tgctactctt aaaacacaaa tggcatataa cctcctttta taaacacaaa catcaatgta 120
 aatttagaat anactcatgc acatactccc ttacgaacgt tcacttgac aagatattct 180
 cctaactaag aaaaatgcac ccacgcacaa tcaaggcacc ttcgtcacct agattatnta 240
 tatgtacttc cgagggtgtat ntgttaccta catcacatgt acttcctttg gctaaattac 300
 acacacgcat actcaaagca ttntggctac caaaaatcgc acacgtgcac attcttgtat 360
 ttctaatact atgcatatac aac 383

<210> 14204
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 14204

tggattaaac aacggaagct ctcgagaaat tcattttggt ttaactttta actcggaggt 60
 ccgattcagg cgcgtaatat atcgagacgc tcgaaattga acaatggaag ctattgagca 120
 attcaaattg tcataacttt tcacttggag gtctgtttca tgcacataat atatcgagac 180
 tctcgaaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact tttcactcgg 240
 aggtcagatt caggcgcata atatatcgag atgctcgaaa ttgaacaacg gaagctctca 300
 agagaatcaa atggtcataa cttttcacac ggaggtcaga tttatgcgca taatatatcg 360
 agacgctcga tattcaacat tggaagatct cgtgaaattc aaatgggtcat accttttaac 420
 acggag 426

<210> 14205
 <211> 174
 <212> DNA
 <213> Glycine max

<400> 14205

<210> 14208
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14208

 tgagaagcac aaccaaaaac tagtatgctt gtgcttaata tcttaattag nctttgggat 60
 cactattcaa tgtattcaat ctttcttcta agaaacaact tattcacttc aattttctca 120
 gttggtaaac attaaccat agaaattaaa atagttctta cacttcatgc tatagcaaac 180
 atttataaga atttgagttg atttactgaa taaaaaaagc taaattgtca aaatgggttaa 240
 ttattttgct ctttttcttt cgtttgacct cgattacatt gggtatccct caciaatttt 300
 actttagaaa gcagggatgc gacatcagtg aacgcaaacg caatatgtta aaggaacaat 360
 ttgggttggg ttggcgggtt gagt 384

<210> 14209
 <211> 200
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14209

 atcttattgg tatggtcata ggtctnggct gggatgggga gaagaaaacc attgcaacta 60
 gtgatgaatg gtgggaagcc aaaattcagg tttgtattat tcaacgaaaa tagagttttt 120
 atgcaggcca atctttgggt nttatattat ttatgtggga tactngactt tgcggccaaa 180
 attgcagttg cagaatgttt 200

<210> 14210
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14210

 tgcttactta tgtggagaat gatgagagct tgaagtcag ggtgacaagg attcaacaac 60
 tcagtatcaa tagaagaaaa cttcatctc aaatgcatcg tgccaactgc ccagcagcat 120
 ttctgcctct caactttcct cattgtagat catccccgaa aacattcctt aggccctcgt 180

ccaagatgaa gagcaaaaag tgtcattctt gaagaatctc atagtgccac atcgcccagc 420
tagcaatcaa ct 432

<210> 14213
<211> 336
<212> DNA
<213> Glycine max
<400> 14213

tcaaaaactt ttaatgttgg agatttagtt tggaagggtta tcctgcccac agatagtaag 60
gatcgagctt ttaggcaaata ggtccccaaa ttgggaagga ccgttttaaaa taattcagat 120
ctattcgaat ggtgcttatg agttagagga gctaaccctt cagaaacgta ctttgagcat 180
aaatggtaag tatttgaaaa aatataaacc aacactactc gaagttaaaa taagcataga 240
ataagagaaa taccggaaac ataaaaatgg cgataacagt aaattgccac gaaagggcat 300
gtgtcaatat tacatcgaaa agtaaaatcg aaatac 336

<210> 14214
<211> 288
<212> DNA
<213> Glycine max
<400> 14214

ttccactcag actcctagtc actgctattg ttgggtttca cccctaacga acacatcttt 60
tttagtgccc catcatatac ccccttggtat gaactagtta acgcttacgc actggtgggc 120
ttctgtggtt gtacaagtaa cacacattag ctggctctct cgttatgcc gtccgactcc 180
cactagactg atgcatgcac actactctct gatggactgt caaagctttg gaatgcgaat 240
taaactcttt tgagattaat ttagtatgta acaatcatta aagcaatt 288

<210> 14215
<211> 331
<212> DNA
<213> Glycine max
<400> 14215

ggaaaaacct atgtgcctca ttgaagttag caccatctt ttataaaact gatgggagaa 60
tatccaatca acataaccca cttgaccctt ttgcaccca ttttagggc ttgttttgcc 120

accacagaga gcaacattct cccaagcccc ttcgtcttat aacactccct caagaacaag 180
 ttctccatgt aaaaccctcg cttctctaga acgagagaga agttcggaga aaacaagaca 240
 aacccaacaa tggaaacacc tctgaaggtg tttaaattgt agtttctcga gataactatt 300
 acttaatggg aaataatgat gaataattaa t 331

<210> 14216
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14216

gaagtatact cgatgcatgc agaacttng atactcaacc ntgtaagcct aagccatagt 60
 attgagcaca tgcagggcct acttatttcc aagtaatgga aaatggntgg aatcaaccgg 120
 acacaatgag ggagcaataa atgtcctcta taaacaatgc accggctaatt ttccacccaa 180
 attaaccttc catacatacc agttacacaa cttaatggca cagtattccc cctgtgcaat 240
 gacctctcta cctcacaca aattcaacgt gtgactcata agatacaata caatttcagc 300
 aaacttttga attaagatcc aaacctttat ctaatcacia caatcatatg cagtggatac 360
 aaatacacgc cagtttgtga ctctcccgtc atctccttca ttcttgctta ttccactaaa 420
 cttcacagga aatcttatca atatggcgtc tggttttgtg gatattggga tacatccgaa 480
 tgatgtctn 489

<210> 14217
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14217

ggggaaagga aagactactt gtnatactng cannnctcag agancngccg acaccncag 60
 agaggacccg agagggatag tgaaagccaa gtttttttat cnttatatcg ccaccaanaa 120
 agggcgagct tcaatggaac ttccaaaaaa caattattgg cgtaaattt gtcctaaagc 180
 tcaacattca attttaaccg ttccgatatc tgaggggact caatcagact tccgataaga 240
 aagtattgtc gggtgaatta gctcagagct tcagcattca atttccagcg tataatatgt 300

cccacacccc gtcaaacgga gaaaggacac agaacgaccc gacagcaacg aaagcgcgag 480
gcagacgggc cgccgaacgg agcaaccgga cgagagtcca cccaacgatg agccacg 537

<210> 14220
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14220

ggatgtaccc gtaactngan nacnaagctc gacacgggnn aaaagangaa agggaggacc 60
cctctttcac cccaatcca ccgccccgcg acgcgcaccc nntaggcaca acaacgggag 120
tgaggaacct tatccggaag aaactacaca cttggtacta atgggcatgg gaaaaatcag 180
cggaatgaca tatcctggat acacaaatca caatttatcc aaggagctac cttgccacat 240
ttattgaggt attgaagcct aggttctata ctaattttaa ggctactcgc tcattaataa 300
atgtccctga cagaaaaaaaa tatcatcctt ggacactttt acaggaagcc ttggccaaaa 360
caaatgcagg 370

<210> 14221
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14221

tgggtttcgt ttcttagttt ttanantctt tganannatn cannaacnta gganaangcc 60
aacagaaatt gagcgaggct ttaancttca tgnncnnngc agncnnaggg ggggggacta 120
ccagaaactt accgaaccgg cagngcnana tnnnccgaaa aagnacaang aangccaaac 180
gagagcacac atagcaaaca aagcgcccc aaactagaga acgaaccgag acagggccca 240
ccaggaacag agacggagga agcaagnacg aacgcatatc caaaangnga gacagngcc 300
tgtgaagact gagacttcat tcaaggtttc atatggaagt tatattctgt tatctcggtt 360
tcttataata ggatatcata atcaataatt ataaatactc acttaaatat tatataatat 420
atctattgat atatattatc atattgaaat attgtattat aaaactgatt tcatttacat 480
at 482

<210> 14222
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14222

agtttgtgna attaccccaa ttccaatgcc atatgctgac ttactcccat atctgctcaa 60
 taatgcaatg gtagtcataa gcccaacaaa gactccttaa cctctgtttc ctagactata 120
 caacccaac gtgacatgtg cttatcatgg gggagttcca gtgcattcca ttgagcattg 180
 taagaccttg aaacataatg tgcaaagtgc gattgatgca agc 223

<210> 14223
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14223

ccttgaatna aaaatctgtg cctatcgcaa gggtttgtgg ttagtgctcc tctgctgacc 60
 accatacaga cctttgccct tccatgcagc aacctgtage aattgagcag cctgaagctt 120
 atgctgcaaa tatttacaat agacctctc aacctcagca gcaaaatcag ccacagcaga 180
 gcagttatga cctttccagc aacatataca acct 215

<210> 14224
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 14224

agcttgctct ccagctctcc caggcgagct aggggtgcttc ctccagaagg caccgccttc 60
 tggtagaact tcctggaagg cccaagtggg cctgattact attagtaccc actgtttact 120
 aaatacatcc ccttgccctt ttgctgattc tttttccgta atgttaccga actttacgaa 180
 tttcgaacag atacttgata tctttccgta atgttatgga accctacaaa ttacgttatc 240
 atcccttttt ttgcttccat aatgttacgg aacctcagca attggccaca atgcttacat 300
 ttgacttt 308

<210> 14225
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 14225

gcaaggaagg tagcttgctt gggaagcaag gaagacagct atctcgaaaa gcg 53

<210> 14226
 <211> 175
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14226

agactcaccc tnccgggcggt ctgtattacg cccatggcaa aaccgttact cacgttcccc 60

ttataacctt gcgatcatat ttactgctat tgattgtgaa ttattggtct tacggctgta 120

aagactcgct ttcttcaatg ctcattatgg gttatctaata tatctatctt atcac 175

<210> 14227
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14227

cacgcatgga tgggcttgta ttgtatgggtc aggatccgat aatcaaactt tatcatttca 60

tctaattgcta tgccttttat cgacacccaaa atcgactaga aaaagcctat tgtttctagt 120

tgtataatgc cctgtgacat ttatcaagta gctaaattga ccaaattggtg gctccaaaaa 180

acaatgcaat ccaaattatg ttctcacttc gtcacacag gtcacactcc ttgaaatcag 240

gctctgatcc ttttatgcac gactaatgag taaaatcact tttttatact ccaaacttag 300

atggtaatca tatatataat gggtatcaaa tacgtacaat aacatgtctc atntgtatga 360

actgctagta tctaaattat ta 382

<210> 14228
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14228

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tgcatttcgt tgcggctacc attaagctta tcgagtctgg cttgctaagc cctcgtactt 120
agtgaatttt ctgaatgtca ttgtgctgct aagcgcaacc ctgatgagct tagcgcacat 180
ctgttggtggc aatcgctaga cttagcgggc acttgccctgc taagccgatt atgcagaagt 240
agaactttct acaacatctt gttagcggcc tcacatgtcg ctaagtgggt atgtgtattt 300
tgtgaagggtg agcttagcag accatgt 327

<210> 14229
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14229

attatgtgta tggatgggtc gtagtaggct ttaacatttt cgttcttatg tgatntgtgt 60
taacaatggt atttagaatg ggaaataaat gaaaggatag ctagggggga agcacancat 120
cattntgtat tttactggta tacccttttc tatgagatca tataccataa gtgcacactt 180
ttcctgttaa caatcattgc acacctctcg ctcanatcct tcccactgaa atccaattgt 240
cataatggat taacttatat ctaccaatac aatacaagat catatcaatg tcaaacaatca 300
gtgtcagctc cctgtgactc ttatagcttt gctacaagaa cccacatgtt ggcaagctca 360
ttttacaggt atgcttctct ttgctatgat tcttcaa 397

<210> 14230
<211> 275
<212> DNA
<213> Glycine max

<400> 14230

tgtgacactt gtagaaactc tgatgaatga cagtcttgta gacacaactc aaagttcatc 60
ttctctccct ttttcttcca tcaatatcat gctccgcat ctctatttct ctccctattt 120
cttgactcc atagaagcat cctctccaag cttgttatac aaagctcatc ttggtggtga 180
agctccttct atcatggctt attccctagt ggatggagcc tcctctcacc tcttctcctt 240

tgtcttctgc tgcattctcca tgggtggaaca cacca

275

<210> 14231
<211> 363
<212> DNA
<213> Glycine max

<400> 14231

ttgataaaaag ggatgcgcca cattatttgc atgacacaaa tgcacaaatg atgatttggga 60
aatttttatgc acaactgggtc atgcatgcac ctatgcggac actcaagtgt taaattatta 120
tgggtcatgtg atgctagggc tcaggattca ttttctctat tttagtcaac ccaatgtttc 180
caaaatatgt tcttttatcc atttgtgcat tcatccaagt ccatttctgg cgtccgggaa 240
aattttacag cattcaccct ttaggtgaca cacatttttt cataaactag ctatgatcag 300
cgaattattc ttcatagaaa agttggaagt catctctttt caaaagcatg ttggtgttca 360
act 363

<210> 14232
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14232

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ctactatcac aatgatcacc tcccttttcg tcattgnggg tgccacctgg gctgccaagt 120
ctctccacct ttgggcgtat tctttgaaag attcatgccc ctctntagcc atgttctgtg 180
gtggcatcct atccggagcc atatcagaac tgtactgaca actgccaac aaaggcaacc 240
attaagtcct tccaagaatg gactcg 266

<210> 14233
<211> 369
<212> DNA
<213> Glycine max

<400> 14233

agataccacc agcatcaagg aattaggggtt gttgatggat tctctccaaa tgcaagctgt 60

ccgcaagact tacggaaaga tcttagagtt aaccttagca gaggtatcca tagaagtcac 120
 tgcatactc acccaatact acgaccagcc tttgagatac ttcacattcg gagacttcca 180
 attagtacca accattgaag aatttgagga aattctagga tgtcctctcg ggggaagaaa 240
 accatatctt tcatccgggt gtctcccctc tttgagcaga attgcaacag tggtaagga 300
 ttcagcaaga ggtttggaac cgcataaaca gactcggaac ggcatagcgg gcctaccacg 360
 ggggtacct 369

<210> 14234
 <211> 133
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14234

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 gaagaacgtc gaataacggt tgaaatcttt gcgaaattcc tcacggaaaa cgttacggaa 120
 acgtttcgga agc 133

<210> 14235
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14235

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 ctctgatttg ttgagctttn tatanccttc tggtagcgtt gcttaagcca tnnnttactt 120
 aagtcattgt ctctgtttta cttataaaaat ataaataata tttccaccgc aaccgtttga 180
 attgcattat ccattaactt cgggttaaaat caattccgac cgttcgggtc tgcgtaacc 240
 acgttggaag tcaaaaagag gtaaaaaata atataataat caaaaaatat ctttttagta 300
 aaataaagcg gacaatcaag tggacattnt ctctttggga tttctcattc ttaatcgaat 360
 tgattaataa ctaaagtga actaaagggc taaatcaatt cgtctagtca agctcgacca 420
 ta 422

<210> 14236

<211> 232
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14236

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 ggagaaagca aaaaaaggaa agaaaattcc catttaaaag agggagaata agaaaataaa 120
 aagaagaaag gaaatcctcg atcaaagatc ggaagaaaac agaagaaata tacagaaagg 180
 tctttggacc agagaatatc tgaacaatac agaattgtca ccaagaaaac at 232

<210> 14237
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14237

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 gtaaactacc cattctgttt aggggtttgn gangagggttg gggagggttat atgcctgaat 120
 tgcctgatgg aatccggtag aaaccaaggg tgaaacctac cttaagggttg aaagtgaaaa 180
 tggatggta ttaagtgaaa aagaatgaaa cctttaaaag tggaaggcgt tagctgaatt 240
 ctggtgtaaa ttgagggtta agtgaagtaa tacttacctg gaatgggtctt tangacatgt 300
 gaaaaagggt aagcttgact tgaaaaaaaa accaattgcc caagttgacc caaaaccctt 360
 tcctaggcca aattgggttg tgaagagtca aattttgatt tgtggaaatt taggtgtatt 420
 nccagttggg ccagtttaga ttgacgttat ggacctgtgt gaggtgagag tttgccttaa 480
 atn 483

<210> 14238
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14238

cgtgcgagcc ttttttattt gcaagaanta agagaaaaan nccgtgccgc ccttaaggag 60
 gaccctccaa gccgccggaa gacgacgctt atgcttattc actttactat catgatcaat 120